Published With The New York Times and The Washington Post

No. 31,314

Three Tenner

WEATHER DATA APPEAR ON PAGE 22

PARIS, TUESDAY, OCTOBER 25, 1983

Kremlin Readies New Missile Sites In East Europe

By Serge Schmemann

MOSCOW - The Defense Ministry announced Monday that preparations were under way in East Germany and Czechoslovakia for tactical nuclear weapons that would be stationed there if the Atantic alliance went ahead with deployment of new medium-range missiles in Europe.

An announcement carried by Tass said, "These steps are of the

sponse measures in case the Ameri- little surprise to Western diplocan missiles are sited in Europe. They are directed at maintaining the equilibrium in the nuclear systems between the Warsaw Pact and NATO in Europe."

Similar statements by the East German National Defense Council and the Czechoslovak government were made public by Tass.

Soviet officials have threatened reneatedly over the past year, and explicitly since May, that one of the countermeasures to the impending East Germany and Czechoslova-North Atlantic Treaty Organiza-kia. The brief Defense Ministry an-

Hundreds Held in U.S. **Peace Rallies**

WASHINGTON - Police arrested hundreds of anti-nuclear protesters Monday during demonstrations in several American cities. The protests followed a weekend of luge demonstrations around the

40.00年14月7日

YAX FREE CARS

COST N. JOHNSON, CO.

CE YOUR CLASSIFIED!

MICKLY AND EASILY

State of the second of the sec

Application of the control of the co

Mark the residence of the second section of the second

The second of th

The state of the s

with Espress was the

Denne & Charles outside

PARIS : (HEAD OFFICE)

MATTERIAL RESIDENCE MINES

In upstate New York, demon- al-tactical designation." strators were arrested as they scaled a fence at an army depot; at the Russians appeared to be refer-the Pentagon in Washington, protesters splashed a red liquid on the tical weapons that has been under main entrance and 30 persons were way for some time. According to arrested; and in South Carolina, these experts, the Kremlin seemed a suicide assault like the one that

In West Germany on Monday, has, in fact, already begun. police arrested 100 demonstrators who were blockading a U.S. muni- "operational-tactical" weapons to of Hausen.

Leaders of the West German anti-missile movement, encouraged by the weekend demonstrations missiles. The SS-22 has a range of throughout Western Europe, said they were considering a blockade the SS-21 of about 60 miles and the of parliament next month when it SS-23 of about 200 miles. debates the NATO decision to deploy U.S. missiles. The weekend demonstrations

were aimed at blocking the planned deployment by the North Atlantic Treaty Organization of U.S.-built cruise and Pershing-2 missiles in Western Europe. As many as one million people joined the protests in West Germany alone.

In central Tokyo on Monday, more than 5,000 people turned out for an anti-nuclear rally at Meiji Park. No violence was reported.

In the Soviet Union, newspapers gave wide coverage Monday to the weekend demonstrations. Pravda (Continued on Page 2, Col. 5)

placement of additional Soviet tactical rockets in Eastern Europe. The other responses that the Russians have threatened include terminating a moratorium, an-nounced in March 1982, on deploying SS-20 medium-range missiles, and taking "corresponding measures" against U.S. territo-

. Monday's announcement, which dealt only with deployment of new systems in Eastern Europe, came as mats. Last week, the defense ministers of the Warsaw Pact held what they styled an "extraordinary meetin East Berlin and announced that they had made an unspecified decision on maintaining military

The East German leader, Erich Honecker, and several Soviet officials in Europe had also intimated that countermeasures had been decided on and that they involved nouncement did not specify what weapons would be deployed. It said that since the United States was completing preparations for de-ploying the new Pershing-2 and nd-based cruise missiles in Western Europe, "the Soviet Union is compelled to adopt additional measures to ensure its own security and the security of its Warsaw trea-

"In accordance with an understanding reached by the govern-ments of the Soviet Union, the German Democratic Republic and the Czechoslovak Socialist Republic, preparatory work is being started on the territory of the GDR and Czechoslovakia for the deployment of missile complexes of operation-

Western experts in Moscow said police broke up an attempt to to be using the impending Western blockade the country's main nucle deployments to justify a modern-ar weapons fuel plant. deployments to justify a modern-ization of battlefield weapons that "Nothing can work against a s

> ferred were evidently new SS-21, SS-22 and SS-23 missiles, which would replace older Scud and Frog about 600 miles (965 kilometers),

As of early September, the sources said, the Russians already had 30 SS-21 missiles in Eastern Europe and were deploying an additional four per month. The nuclear warheads for these and the Scud and Frog missiles, the experts said, were believed to be stored near the launchers, and all were under Soviet operational control.

■ Soviet Will Attend Talks

The Soviet Union said Monday that it would attend an East-West disarmament conference in Stockholm in January, a few weeks after the scheduled deployment of U.S. medium-range missiles in Western Europe, The Associated Press re- the airport parking lot near the ported from Moscow.



Rescuers continued the search Monday at the U.S. Marine compound in Beirut.

Weinberger Says Suicide Assaults Are Impossible to Defend Against

By Fred Hiart

WASHINGTON — Secretary of anse Caspar W. Weinberger has asserted that no defense could stop devastated a U.S. Marine head-

"Nothing can work against a sui-cide attack like that, any more than The Western sources said the kaze flight diving into a carrier," Mr. Weinberger said Sunday.

ssional critics said the bombing, in which a truck loaded with explosives rammed past three guard posts and through a barbedwire fence before detonating inside the headquarters building should have been anticipated because it resembled so closely an attack on the U.S. Embassy in Beirut in

But Pentagon officials said the Marine mission in Beirut - to help keep the airport open and return the city to normal life - specifically ruled out constructing the kind of fortress barriers that might have protected the marines.

[A Marine Corps spokesman told The New York Times in Washington that the truck's driver had to get through the following barriers to reach the headquarters building: First, the truck crashed through the barbed-wire fence, built on anchored steel posts, which closed off

crashed through a relatively flimsy adding to the U.S. contingent in the chain-link gate that was flanked by concrete walls and guarded by a sandbagged bunker usually manned by one or two marines with rifles and grenade launchers.

The driver was then confronted with a steel sewer pipe two feet (60 centimeters) in diameter laid across a road not open to traffic that leads over such an obstacle or tore it loose from its moorings and swept it aside before crashing through a final wood and cement barrier near the building entrance.]

Rather than trying to reinforce the marines' position, Mr. Weinberger appeared to be leaning toward keeping more of them aboard their naval fortress -nine ships off Lebanon's coast - as the only way to protect them from sniping and random terrorist attacks.

The United States is also likely to reinforce that flotilla, in part to replace ships that were ordered week ago when the cease-fire there was holding. But U.S. naval forces are stretched around the world, and officials said it would be several days before reinforcements could reach the area.

In addition, Mr. Weinberger, who reportedly opposed the de- tween their ships and their duty the snipings that have taken place ployment of marines to Lebanon stations by helicopter.

multinational peacekeeping force. An increase in the number of marines in the force, Mr. Weinberger said, "certainly is not the answer." "This force is not sent in to con-

quer Lebanon," he added.

Pentagon officials said its vulal vulnerability of the marines, who are guarding the Beirut airport from flat, low land, surrounded by hills and unable to strike back except in self-defense.

The officials added, however, that occupying the high ground east of the airport would endanger the marines further.

As a result, the Pentagon was urging the White House to help protect the marines by having them live on the U.S. ships offshore except when they are on patrol. With away from Lebanon just over a two companies deployed at the airport at all times and one in the Lebanese Scientific University, this would leave about 600 marines ashore at any one time, compared with the 1,600 on land before Sunday's attack.

The marines would be ferried be-

Shultz to Visit Europe For Talks on Lebanon

WASHINGTON -Secretary of Monday that he would go to Europe this week for meetings with leaders from other nations participating in the multinational peaceeeping force in Lebanon.

The United States, France, Britain and Italy have about 5,000 soldiers deployed as a peacekeeping force in Lebanon. Mr. Shultz did not reveal the date or place of the meeting, but Italian officials said the meeting would take place in

Meanwhile, President Ronald Reagan said Monday that U.S. forces must remain in Lebanon to guard "vital interests" and the cause of world peace.

Speaking a day after at least 191 U.S. marines and sailors and at east 23 French paratroopers were killed in gnerrilla bombings in Beirut, Mr. Reagan denounced the at-tackers as "vicious, cowardly, ruth-less" and pledged that they "will not go unpunished."

"The United States will not be intimided by temperate "he and

intimidated by terrorists," he said. Mr. Shultz also announced that the administration was sending a high-level mission to Israel next week to review the situation in Lebanon and "broader issues of Middle East security.

In a statement prepared for delivery to members of the House and Senate, Mr. Shultz said the administration planned these other

 "Immediate replacment and strengthening" of the U.S. Marine contingent "so there is no gap in the performance of our mission." An intensified intelligence ef-

fort to "identify the perpetrators." • Richard Fairbanks, a special Middle East envoy, will go to Goneva "to lead support and impetus" at a meeting of Lebanese political groups when they begin a

national reconciliation conference. • The Marine commandant, rubble. General Paul X. Kelley, will go to Beirut to "make preent recommendations" on improving Marine se- and other senior officials, but he

question-and-answer session with military aircraft. 75 broadcast journalists carried on

non, we strengthen the forces for As the removal of debris from it is central to our credibility on a global scale."

A journalist identifying herself next Monday. as the wife of a Marine officer asked Mr. Reagan what he would say to Americans frustrated with had been confirmed dead, and the loss of life Sunday. He clearly was caught off guard.

"I understand all Americans' concern," Mr. Reagan said. "I don't know of any job that's worse than the job I have, having to make the calls I have made as a result of in the past."

brief legislators on the bombings. Some congressional leaders backed Mr. Reagan in his determi-nation to keep the marines in Bei-rut and not withdraw them "at the Iran was a "regime of fanatics with

point of a gun." Some senators and congressmen, however, urged the administration to admit that a mistake had been made and to withdraw the peacekeeping force. Some suggested that the marines be replaced with United Nations forces or troops from the Third World.

Mr. Shultz said the U.S. government did not know who was responsible for the bombing of the on what it would mean for the and Syria had denied responsibiled's long-term security if the assault ity, but he added that "it is not on this moderate government difficult to detect who are the enemies of peace in Lebanon" and listed Syria, the Soviet Union and

Secretary of State Shultz and Secretary of Defense Caspar W. Weinberger went to Capitol Hill to ellite or province of 'Greater Syr-"arms Syria with the most sophisti-Iran was a "regime of fanatics with

> Mr. Shultz said Lebanon was important not only to the United States as a key part of a region of vital strategic and economic importance, but also because, in the Middle East, it is "the second moderate country to negotiate a major agree

which we have had earlier experi-

"I should not have to elaborate Marine headquarters. He said Iran overall peace process and for Israshould succeed," Mr. Shultz said. "Indeed, this is a major reason why that assault is taking place."

Mitterrand Visits Beirut; Death Toll Exceeds 200

By David Ottaway and William Claibome Washington Post Service

BEIRUT — President François Mitterrand of France made a seven-hour surprise visit to Beirut on Monday to examine the devastated French and U.S. military bases. As rescue workers dug out more bodies from two buildings that were destroyed in suicide bombings Sun-day, the death toll surpassed 200. Meanwhile, U.S. marines brought in replacements and

sharply increased security at Beirut International Airport, where a truck laden with explosives had reduced a headquarters building to

Mr. Mitterrand met with President Amin Gemayel of Lebanon made no public comment before Mr. Reagan, in a statement and a returning to Paris aboard a French

Speaking on his return, Mr. Mit-Mr. Weinberger acknowledged nationwide television, said the terrand pledged that French troops that the bombing resembled the embassy attack last spring. But he Beirut until the situation is under their heavy casualties, Michael to the headquarters building. It was said the Marine headquarters was control" and the Lebanese govern- Dobbs of The Washington Post renot clear to officials whether the an office building and could not be ment is able to restore its sover-ported from Paris. The president We have vital interests in Leba-increase security for the 2,000-man nerability reflected the more gener- non," Mr. Reagan said, "and our French contingent. The eight-story actions are in the cause of world French paratroopers' quarters near the sports stadium in West Beirut "By promoting peace in Leba- was shattered by a car bomb.

peace throughout the Middle the devastated sites continued ef-East," Mr. Reagan said, adding: forts to convene a national recon-"To the extent that the prospect for ciliation conference of Lebanon's future stability is heavily influ-warring religious and political facenced by the presence of our forces, tions moved foward, with tangible signs that the meeting might take place as scheduled in Switzerland In Washington, Pentagon offi-

cials said 191 marines and sailors French officials said that at least 23 French soldiers were known to have been killed. But 32 marines were missing under tons of rubble in the collapsed Battalion Landing Team base, and 37 French soldiers of the multinational peace force were also listed as miss

ere also listed as missing. General Paul X. Kelley, the Marine Corps commandant, left Washington for Berrit on Monday to pay my personal respects to our although there were air pockets in dead, to visit with some of those who have been seriously injured and, also, to vist with those that will remain." General Kelley has also been ordered by President Ronald Reagan to examine ways of improving protection for the U.S. tingent in Beirut.

[Asked how be would respond if General Kelley said more U.S. troops were needed, Mr. Reagan said, "I would certainly take seriously a recommendation from the commandant of the entire Marine Corps," United Press International reported from Washington.]

Replacements for the killed and wounded marines were being flown into Beirut from Camp Lejeune, North Carolina, by way of Frankfurt, West Germany, in three C-141 transport aircraft, Marine officials

Adjacent to the destroyed Marine building at the edge of the airport, security was severely tightened to prevent a forced entry by another bomb-laden car or truck. For the first time, the marines placed a two-and-a-half-ton truck across the auxiliary entrance to the operations section of the Marine Amphibious Unit, A marine with a .50-caliber machine gun mounted on the truck stood guard, and guards carefully checked all visi-

At the site of Sunday's explo sion, the worst in Lebanon's history, rescue workers wearing masks and rubber gloves grimly sifted through the rubble for the bodies of marines buried under the shattered

Marine officers said they had no idea how long it would take to complete the task. They noted that in the bombing April 18 of the U.S. Embassy, the recovery of victims was not completed for 10 days.



President François Mitterrand visited French troops in Lebanon on Monday.

"We have to work slowly and carefully, because there is a danger of collapse of everything because structural integrity is suspect," said Captain Wayne James of the Marine Amphibous Unit. He said that the basement and first two floors, it was doubtful that any survivors would be found Major Robert Jordan, the senior

long and tedious task. We have an entire building compressed into a very small space."

Marine officials said that a task force of the Naval Investigative

Marine spokesman said, "It is a

Service had arrived to investigate the source of the bomb, but that no conclusions had been drawn. Major Jordan said he had "some ideas" about who was responsible. but he refused to elaborate.

Lieutenant Colonel Hisham Jaber, a Lebanese Army liaison of-(Continued on Page 2, Col. 2)

INSIDE

■ U.S. Supreme Court seems more receptive to lowering church-state barriers. Page 3 ■ Nicaragua plans to declare a 25-mile security zone off its

coasts. E Grenada's airport remained closed, frustrating foreigners

who wanted to leave. Page 4 BUSINESS/FINANCE

■ General Motors said that its third-quarter profit jumped to a

■ TWA's directors will spin off Trans World Airlines as a separate company. A SPECIAL REPORT

■ The first part of a two-part

series on world communications technology.

An Afghan guerrilla wearing a captured Soviet uniform mans a heavy machine gun beneath his organization's flag.

Despite Soviet Air Power, Afghan War Is Standoff Resistance Continues, but Rebels' Growing Strength Is Offset by Disunity The 105,000 Soviet troops occupying the It was a trip that took me across rugged

By William Branigin

TERRI MANGAL, Pakistan — The Soviet MiG-21 and Sukhoi-17 jets banked high in the clear early-morning sky above this Afghan refugee camp, then bore down for the kill. With a roar, they dived almost vertically at the Afghan village just beyond a ridge marking the nearby border. Their bombs detached themselves and continued the steep trajectory as the planes pulled up sharply and veered off.

Plumes of smoke and dust rose over the hills from the area of the village that I had passed through the night before at the end of a recent visit to Afghanistan. Like many other mudwalled villages I saw, this one had been battered before. But people still lived there.

The only response to the dive-bombing jets was a few cursory bursts from an out-of-range heavy machine gun at this refugee camp. Be-yond another ridge, more jets dived with impunity toward positions of anti-Soviet guernillas besieging an Afghan government outpost.

The bombing was not unusual. In the Shomali region north of Kabul, Soviet jets were in action nearly every day while I was in Afghanistan. The aircraft seemed to make no distinction between the Moslem guerrillas known as mujahidin and the Afghan civilian population that overwhelmingly supports them.

The jets also at times ignore the distinctions

of national boundaries, occasionally bombing Afghan refugees — and even Pakistani villagers — inside Pakistan. Pakistan charged Oct. 7 that Afghan planes had bombed and strafed civilians inside Pakistan for the second time in three

Nearly four years after the Soviet Union intervened in Afghanistan and installed a government in Kabul under the Afghan Commu-nist Party faction of President Babrak Karmal, Moscow's battle against the Afghan resistance

increasingly on air support. The resulting bom-bardments in Afghanistan and violations of troops had agreed to an unusual truce with the mujahidin earlier this year after six unsuccessful AFGHANISTAN

Inside a Soviet War Zone

First of five articles

neighboring territory by Soviet aircraft take place far from the kind of international spotight that was recently thrown on the downing of a South Korean airliner that crossed into the Soviet Union's airspace.

The Soviet Army appears to have become oogged down in a frustrating stalemate. So far, it has proved unable to crush the mujahidin, who have grown steadily stronger. But the resistance groups' continuing disunity and lack of more effective weapons and tactics leave them ncapable of driving out the Russians.

A major element in the current stalemate is that there are, in fact, three wars being fought simultaneously in Afghanistan. Besides the principal war between the mujahi-

din and the Soviet troops, rival resistance groups are battling each other in some places pite the nominal alliance of their parties which are based in Peshawar, Pakistan. And competing wings of the Afghan Communist Party are waging a terrorist war in Kabul marked by assassinations and bombings attributed to their rival secret police forces.

These are among the conclusions I drew from a six-week, 400-mile (650-kilometer) trip in August and early September inside Afghanistan, interviews there with mujahidin commanders, Afghan defectors, villagers and captured Soviet soldiers. I also talked to diplomats, relief workers and Afghan leaders in Pakistan.

landlocked Central Asian country are largely in defensive positions and appear to be relying tranquillity of the Panjshir Valley in Kapisa attempts to occupy the strategically important valley in the Hindu Kush mountain range that bisects eastern Afghanistan. It was in the Panishir also that I met Afghanistan's most renowned guerrilla commander, Ahmed Shah Massoud. The leading strategist of a

young generation of emerging resistance leaders, Mr. Massoud has been called the Che Guevara, even the Tito, of Afghanistan. In extensive interviews, he talked of his strategy and hopes for unifying resistance groups and defeating the The trip made me painfully aware of a major reason for the relatively paltry international coverage of Afghanistan: the difficulty of gain-

ing access to the country. Since January 1980, when the Kabul government expelled a score of Western correspondents, myself included, few have been given visas. The mujahidin, on the other hand, have taken a number of Western reporters on tours through the country. But the difficulty of getting to strategically important areas beyond the Pakistani-Afghan border zone and the fractured

nature of the resistance make it difficult to

report on the war.

Recent fighting, however, provides some examples of the stalemate. At the towns of Khowst and Orgun south of here in Paktia province, Afghan Army garrisons have been surrounded and besieged for months by local mujahidin, according to resistance sources. Soviet aircraft have been resupplying and reinforcing the garrisons, recently ferrying more than 4,000 Afghan soldiers into Khowst, these sources said. Soviet jets and helicopters have been pounding the

(Continued on Page 2, Col. 5)

High To Ea

FASTER STATE

and the man and th

And the second s

VERS ANAL

Killing and Page.

المادة المستقدمة المستقدم المستقدمة المستقدم المستقدمة المستقدم ال

The same related

STATE OF LINE

والمواد المداورة المدادة

THE PART OF THE

Na ine admires

de the willes in Mark and the state of the state

Production in

The second

The Lates Control Marie and the second se

والمستران والمستوان

ing in ta

Long List of Crises Seems to Stretch Washington's Resources Pentagon reluctance to leave the troops in their ex- About 50,000 Lebanese and Palestinians, mostly coup in Grenada appeared to endanger U.S. residents

By Don Oberdorfer

Washington Past Service WASHINGTON — The bombing Sunday of the U.S. Marine compound in Beirut produced a new crisis for U.S. foreign policy at a time when other aspects of the Lebanese problem and a long list of dangers elsewhere have stretched thin U.S. diplomatic and military resources.

The blast also caught the Reagan administration at

NEWS ANALYSIS

a moment when key policy-makers concerned with the latest crisis are changing jobs at almost every level.
Included are a new White House national security affairs adviser, a yet-to-be-named new special Middle East negotiator, a new U.S. ambassador to Lebanon. and a new assistant secretary of state for Near Eastern

On Friday, Oct. 14, and again Tuesday, President Ronald Reagan and the top echelon of his foreign policy team met in the situation room of the White House as the National Security Planning Group to survey the course ahead in Lebanon and the Middle

A tangible result of the discussion, according to administration sources, was a presidential decision last Tuesday that the marines' mission and personnel strength in Beirut should remain unchanged, despite

HYATT

REGENCY @

BRUSSELS

One of the 109 Hyatt Hotels

world-wide

For immediate confirmation

of individual reservations

call London 01-580 8197

(telex: 8954227)

or your local toll free number:

Amsterdam (020) 43-43-54

Brussels (02) 217-0019

Frankfurt (0611) 28-09-38

Geneva (022) 21-23-91

Madrid (91) 402-22-43

Milan (02) 345-2390

Paris (6) 079-33-22

Stockholm (08) 22-57-50

Vienna (0222) 54-11-8!

Zurich (01) 302-08-16

HYATT HOTELS

WHILE

IN PARIS

invest in the best value

deluxe ready to wear

DORIAN GUY

36 Ave. George-V.

Paris 8th

Tel: 720 70 33

opposite Hôtel George V

open from 10 a.m. to 7 p.m.

TAX-FREE

EXPORT PRICES!

ALL PERFLIMES . COSMETICS

BAGS • SCARVES • THE

FASHBON ACCESSORIES

MICHEL

SWISS

16, RUE DE LA PAIX

PARIS

2nd Floor, Elevator

FLAWLESS MAIL ORDER DEPARTMENT FREE SAMPLES

Phone: 261.71.71.

complete range of gentlemen

posed positions.

The policy-makers' concern had been heightened by a threat that developed shortly before the Oct. 14 meeting: For the first time, the marines in Beirut were conscious and definite targets of attack, in this case by

The sniper threat, which took the lives of two marines last week, was different from earlier incidents are to be announced in a speech Thursday night in in which U.S. troops were caught in shelling that might not have been aimed specifically at them.

Although as late as Friday the State Department refused to acknowledge publicly that targeting of the marines created a new, more hazardous situation, officials said Sunday that U.S. diplomats were active in recent days in seeking to investigate and diminish the threat attributed to radical Shiite Moslem groups.

Despite the ominons development on the ground, there was optimism late last week that the longdelayed political process of reconciliation among contending groups in Lebanon would begin soon in

The administration feels strongly, officials said Sunday, that this should proceed and that there is no reason to expect that the killings of marine and navy personnel and of French forces will interfere.

For the U.S. government and people, the death of so many servicemen in one day is a catastrophe but, in the killing ground of modern Lebanon, the death toll

civilians, were killed in the seven years of civil war after 1975, according to rough estimates. Another 17,000 were reported killed last year after the Israeli invasion of Lebanon, and the casualties continued this

year in battles among Lebanese groups. The basic results of the still-incomplete White House policy review, as far as Lebanon is concerned, Philadelphia by Deputy Secretary of State Kenneth W. Dam to the American Jewish Committee.

Mr. Dam was designated for the job because Secretary of State George P. Shultz had planned to be on a trip to El Salvador and Brazil, a trip postponed after the bombings in Beirut.

Mr. Shultz's postponement of a visit to El Salvador because of an even more urgent problem in Lebanon symbolizes the strain on U.S. policy in a period of severe global and regional tension

A U.S. flotilla recently was redirected from Central America toward the Gulf as the war between Iran and Iraq flared with new threats to oil routes. Another U.S. naval task force, which had backed up

the marines in Beirut from offshore positions, left the Mediterranean after the Sept. 26 Lebanese cease-fire, lingering to show the flag near the Gulf on its way to

Last week, still another U.S. naval task force heading for Lebanon was diverted to the Caribbean when a world.

In addition to Lebanon, the Gulf and Grenada,

crisis spots include: Nicaragua, where CIA-supported guerrilla forces have stepped up attacks on petroleum facilities and the leftist Sandinist government has called for outside military assistance.

• Korea, where North-South tensions remain high after the Oct. 9 explosion that killed the top rank of the South Korean cabinet during a visit to Rangoon, Burms. South Korea has blamed the bombing on

• The Philippines, site of important U.S. military bases, where the rule of President Ferdinand E. Marcos may be imperiled by public and political reaction to the assassination Ang. 21 of a key opposition leader, Benigno S. Aquino Jr.

Meanwhile, demonstrations continue in Western Enrope over the scheduled deployment of U.S. nuclear missiles beginning in December.

As the backdrop for all of this, relations between the United States and Soviet Union have sunk to the lowest point in more than a decade after reactions in the two capitals to the Soviet downing Sept. 1 of a Korean Air Lines passenger jet.
The unusual degree of tension between Washington

and Moscow has generated an unusually poisonous atmosphere of superpower hostility in a crisis-ridden

WORLD BRIEFS

Iraq Predicts End of War With Iran

BAHRAIN (Reuters) — Irangesaid Monday that the current Iranian offensive in the Kurdish mountaining northern Iraq would be the last battle of the three-year Gulf war find that the Iranians would be defeated. Baghdad's war communiques said infer than 5,000 tranians had been killed and dozens of tanks and other pieces of equipment destroyed. Meanwhile, government newspapers in Baghdad said Iraq would continue air and missile strikes on taroets deen in Iran ue air and missile strikes on targets deep in Iran.
Iran says its troops have captured 700 square kilometers (270 aquate

miles) of Iraqi territory since it launched the offensive last week and have driven Kurdish rebels out of 100 square followeters of mountain territory.

3 Danish Parties in Accord on Budget

COPENHAGEN (AP) — Denmark's center-right minority govern-ment, after a week of difficult negotiations, won backing Monday for economic policies reversing two decades of growth in public spending.

Prime Minister Poul Schlater of the Conservative People's Party had threatened to schedule early national elections if he could not work out a compromise on budget issues with two parties whose votes are needed for a majority in the nine-party Folleting, the Danish parliament.

Monday's compromise with the centrist Liberal Party and the rightist

Progress Party ensured a reduction in real terms, for the first time in 29 years, in the Danish budget.

UN Head Decries Cambodia Situation

UNITED NATIONS, New York (UPI) - The UN secretary-general, lavier Perez de Cuellar, said Monday that the situation in Cambodia was deteriorating in the absence of progress toward a peaceful settlement of

the Vietnamese occupation of the country.

In a report to the General Assembly, Mr. Pèrez de Caellar said the interest of the Cambodian people would be "best served by a peaceful solution reached through a process of genuine negotiations." He added, "I am convinced that the continued absence of concrete progress toward that goal can only generate further tension and bring about a new deterioration of the situation."

Vietnamese troops invaded Cambodia in late 1978 and overthree the government of the Kimer Rouge leader, Pol Pot. At least 180,005 Vietnamese troops are occupying the country. The assembly voted resolutions in 1979, 1980 and 1981 calling for withdrawal of foreign troops from Cambodia, the restoration of sovereignty and territorial integrity, and the right of the Cambodian people to self-determinishing.

The assembly will again debate the situation Tresday.

Philippine Activist Assails U.S. Bases

MANII.A (UPI) — A government opposition leader, former Sensito José Diokno, said Monday that U.S. military bases, including Clark A Base and Subic Bay Naval Base, should be dismanted because the man the Philippines "a primary target in the event of a nuclear war betw

Mr. Diokno also said a permit to stage a protest in front of the U.S. Embassy at the end of a three-day conference on nuclear war had been rejected by Manila officials. However, he said the Supreme Court ruled Monday that the city must justify its blanket denials of rally permits as opposition groups. If the court overrules the city, it will open the tax for more and better-planned anti-government rallies, Mr. Diokno smill of Also on Monday, the court ordered the government to release from custody the mother and sister of the alleged killer of the opposition rates.

Benigno S. Aquino Jr.

by undermining the economy.

the efforts would fail.

Congress asserted in the legisla-tion, which Mr. Reagan signed Oct. 12, that any substantial expansion WASHINGTON — Members of Services Committee, which he Congress demanded Monday that chairs, will hold a hearing Tuesday in the size or role of U.S. armed

the Reagan administration provide a clear explanation of the U.S. purpose in Lebanon. But most stopped non-short of calling for an immediate Bu

"I don't think it is a time for Americans to back down from terrorism," said Representative Thomas P. O'Neill Jr., Democrat of Massachusetts and speaker of the House. "But I think it is time we

The Senate majority leader, Howard H. Baker Jr., Republican sional reassessment of U.S. policy

We must find a way to share the burden of peacekeeping," Mr. Bak-er said: "We should not leave at the point of a gun and I would stoutly

to keep this thing from turning into a political football."

The bombing, the worst U.S. military loss since the Vietnam War, came four weeks after the Senate completed congressional action on a resolution authorizing the marines to remain part of the fournation peacekeeping force in Beirut for 18 months more.

Senator John G. Tower, Repub- could legally take.

on administration plans to improve the security of the marines in Leba-

this amounts to," he said.

in a brief Senate speech a point that was repeated throughout the day on both sides of the Capitol - that the first priority must be to assure the safety of the U.S. forces. He denounced as preposterous the administration contention that that aiready had been done.

forces in Lebanon would require a new approval from Congress. Mr. Reagan had earlier said that "it would be my intention" to comply with the requirement. Although the administration

said Sunday that it had no plans to expand the marines' role or withdraw them, Mr. Reagan has in the past carefully hedged his commitment to abide by congressional limitations on use of the armed forces.

He insisted obliquely in his Oct. 12 statement that he had the power to keep the marines in Lebanon without congressional approval. He hinted that the central provision of the War Powers Act of 1973, which requires the president to "terminate" the use of armed forces in "hostilities" in 90 days unless Congress authorized longer involvement, was unconstitutional.

The Reagan stand is vigorously disputed by congressional leaders. The dispute was pushed into the background by the compromise legislation, where it will probably remain as long as a majority in Congress approves of Mr. Reagan's

There could be a constitutional confrontation if Mr. Reagan lost congressional support for his actions, if he embarked on military escalation without congressional approval or if Congress directed him to withdraw the marines from their vulnerable position and be

Despite Soviet Air Strength, Afghan Conflict Is Standoff tinues to be unreliable and draftees (Continued from Page 1)

mujahidin positions relentlessly, but Soviet troops have stayed away number of occasions during my from the fighting.

The battles have attracted more

afghánistan

than the usual press coverage, since they are fairly close to the Pakistani border and mujahidin jeeps can get very near the towns. The mujahidin thus stood to gain prestige and per-haps capture sizable amounts of equipment if they took the towns. But the strategic value of doing so

If the towns fall, the Russians are considered likely to bomb them flat, and the mujahidin are unlikely to hold them. For some analysts, the battles for the towns exemplify the Afghans' tendency to spend a easy targets in a way that exposes them to air strikes.

There are exceptions. A number important targets, with devastating

Yet the standoff continues. In large part it is a draw between an old-fashioned but dedicated and courageous resistance and the organized than they were a few modern equipment, superior fire years ago. But their effectiveness modern equipment, superior fire-power and air force of a superpower. Other obervations based on my travels inside Afghanistan and in the border area of Pakistan include

the following:

• The mujahidin control vast expanses of the country in which popular support for them appears unwavering. In these areas, which Pakistan-based diplomats say cover most of Afghanistan, one can travel great distances without ever seeing any evidence of the govern-

• It is much more difficult for Soviet and Afghan government forces to move on the ground than when I visited Afghanistan for three weeks just after the December 1979 invasion. Then, for example, there was no serious resistance inside Kabul, and I was able to go by car up the road north of the city through Charikar without seeing any sign of trouble. Now that area is a battleground, and the guernillas regularly stage raids into the capi-

 Despite nearly four years of Soviet occupation, the Karmal government has made no apparent progress in consolidating its tenuous grip on power. By all accounts, the government is riddled with informants, the Afghan Army con-

Papandreou Warns of a Conspiracy. keep deserting in droves. On a trip, I came across Afghan Army defectors who had just escaped from their bases.

• While the mujahidin fear and respect Soviet air power, their increased familiarity with their enemy has bred a measure of contempt for the fighting abilities of Soviet soldiers. Reports of low morale. drug and alcohol abuse and poor motivation among Soviet troops appear to be borne out by examples of ineffectiveness in combat.

 Aside from humanitarian assistance to Afghan refugees, U.S. aid to the resistance is scarcely visible. This has led a number of guerrilla leaders to criticize Wash tion and lives besieging relatively for allegedly not doing enough to out to undermine our economy of casy targets in a way that exposes help the mujahidin. While not discusse our government," rectly supplying arms to the resistance, the United States is believed

Mr. Papandreou sa to be discreetly financing purchases on the international arms market and helping with logistics for deliveries from foreign countries, such as Egypt, that have

stocks of Soviet weapons.

The mujahidin inside Afghanistan are much better armed and may have reached a plateau that they cannot surmount without unity, more advanced arms and better organization. Major problems are rivalries and even outright warfare between some guernilla groups, a shortage of good commanders and a continuing lack of effective antiaircraft weapons, heavy arms and

ions equipment. . • The Afghan resistance is growing increasingly concerned about the situation in Pakistan, where opposition groups have been staging protests against the martial-law government of President Mohammed Zia vl-Haq. The Afghans see the Pakistani opposition as indif-ferent, if not openly hostile, to their cause and likely to seek an accommodation with the Soviet-installed government in Kabul if it comes to

 The presence of more than two million Afghan refugees inside Pa-kistan has not developed into the political danger that Pakistani au-thorities once feared. The refugee outflow has apparently leveled off. And apprehensions that the refugees would become the "Palestinians" of Pakistan have been allayed by their integration, so far largely

Next: The Mujahidin Trail.

ATHENS (NYT) — Prime Min-ister Andreas Papandreou said in an interview published Monday that Greek and international rightist interests were conspiring to overthrow his Socialist government In an interview with the progovernment daily Ta Nea, Mr. Papandreou said the campaign was being aided by the rightist press in Greece and was aimed at ending his independent foreign and economic policies. He said a \$120-million fund had been set up "to undermine confidence in our economy." "I don't know what form this will take, what name it will have, but it is undiluted poison poured out to undermine our economy and Mr. Papandreou said he was sure

Andreas Papandreou

Swiss Shift Slightly to Right in Voting

BERN (AP) - The conservative Radical Democrats outpolled the Social Democrats for the first time in 58 years in Sunday's Swiss parliamentary elections, according to incomplete but conclusive returns Monday. Final results are expected Tuesday.

The slight shift to the right, expected in most prevote analyses, did not, however, significantly change the makeup of the 200 seats in the National Council, or lower house of the Federal Assembly. The latest projections predicted the Radical Democrats would win 25 percent of the vote, up from 24.1 percent in the election four years ago. The Social Democrats slipped below the 24.4 percent they polled in 1979. The Radical Democrats, who last had polled the biggest share of the votes in 1925, were expected to have 54 scats, a gain of three, against 48 for the Social mocrats, a loss of three.

The complex Swiss voting system, in which one ballot can list candidates of several parties, barred from estimates, but the two other major. parties, the Christian Democrats and the People's Party, appeared to rave held their own.

The biggest loser was the Communist Party, which held only one of its

Georgia Gunman Called Fit for Trial AUGUSTA, Georgia (UPI) — A man who took five persons hostage at the Augusta National Golf Club and demanded to meet with President Ronald Reagan was declared fit Monday to face charges of threatening

Charles R. Harris, an unemployed millwright, was transferred Monday from University Hospital to the Richmond County jail after a doctor determined he was mentally and physically fit to appear in court. He had complained of chest pains after his arrest Saturday. In addition to the charge of threatening the president, Mr. Harris could be charged with ssion of a firearm in the commission of a felony and assault on a 🔻

possession of a fream in the commission of a fraciny and assault on a federal officer. He also faces state kidnapping charges.

Mr. Reagan was playing golf at the club when Mr. Harris took two presidential aides and three other persons hostage Saturday at the club's pro shop. He demanded to talk with the president, who aides said was er in any danger.

Talks on Air Safety Are Deadlocked

NEW DELHI (AP) — Representatives of international airlines meeting here Monday were deadlocked on the wording of a proposed air safety resolution that mentions the shooting down of a South Korean airliner last month, conference officials said.

The resolution was deferred for procedural reasons until Tuesday, the second and final day of the 39th annual general meeting of the International Air Transport Association, Director General Knut Hammarshjold said. The resolution, submitted by the IATA executive committee, said the association pledged its full support to efforts "to maximize safety in

Debate bogged down over a passage that said the resolution should be approved, "considering the use of force against civil aircraft, such as the tragic incident involving the KAL flight 007 on September 1, a matter of the gravest concern affecting air safety." Delegates could not agree whether to leave the wording the way it was expand it to include other such acts or delete the reference to the shooting down of the Boeing 747 by the Soviet Union with the loss of 269 lives.

For the Record

UNESCO delegates will gather Tuesday in Paris for a six-week general conference during which confrontations are expected over the budget, conference during which confrontations are expected over the studget, communications issues and human rights questions. (AP)
General Grassinghe Eyadema, the president of Togo, met hriefly with President Rouald Reagan on Monday in Washington. He is vinting the United States to encourage U.S. investment in Togo. (AP)
Striking teachers in Chicago voted Monday on a tentany estimate that would let classes resume Tuesday. The 15-day walkout like them the language in Chicago variable school history (AP)

longest in Chicago public school history. (AP)

Legislators Want Reagan to Explain Purpose of U.S. Presence in Lebanon

withdrawal of forces.

give the reasons we're over there."
"The president needs to clearly of West Virginia, told the Senate.

of Tennessee, predicted a congresin the Middle East as a result of the bombing that devastated marines in their barracks at the Beirut airport early Sunday.

resist that. He said his main duty was to "try

But he rejected criticism that the U.S. forces do not have a clear mission. "It is clear that our function is to try to create a climate in which a political settlement is possible." he said.

Répresentative Clarence D. Long, Democrat of Maryland, chairman of the House Appropriations foreign operations subcomdefine for the American people mittee, prepared legislation that why their boys are being sent to die would force President Ronald Reain Lebanon," the Senate minority gan to bring the troops home. "It's leader, Robert C. Byrd, Democrat awfully easy for old men to tell young men to go out and die for someone's vanity, and that's what

> Senator Edward M. Kennedy, Democrat of Massachusetts, raised

■ War Powers Issue York Times reported earlier from

With the ink barely dry on compromise legislation giving President Reagan carefully limited anthority to keep marines in Lebanon for 18 months, Sunday's bombings in Beirut raised anew the question of what military steps Mr. Reagan

Stuart Taylor Jr. of The New military actions, in particular, his response to the bombings Sunday.

Mitterrand Visits Beirut: Toll Exceeds 200

(Continued from Page 1) ficer attached to the Marine force, said, "Until now we don't have any

evidence - just suggestions." Mr. Mitterrand, during his brief visit, attended a memorial Mass for the French soldiers killed in Sunday's blast, and had hinch with senior officers of France's 2,000man peacekeeping force. He also stopped by the U.S. Marine base and paid his respects to the American dead.

After meeting Mr. Gemayel at the former residence of the French ambassador, he was seen off at the airport by Prime Minister Shafiq al-Wazzan, Defense Minister Issam Khuri and the army commander, Ibrahim Tannous.

The French company that was bombed belonged to the first paratrooper regiment based at Pan, France. It was made up entirely of young conscripts, none of whom had reportedly ever seen any action before. At the time the car bomb was driven into the building by a suicide driver, about 30 members of the company were reported to have been away on patrol or guard duty and thus to have escaped un-

The others were either having

the blast went off, minutes after the conference, which was envisioned even larger explosion rocked the in the Sept. 26 cease-fire. U.S. Marine compound at the air-

Sir Geoffrey Howe, announced that the commander of British land forces, General Sir Frank Kitson, was flying to Beirut to review security arrangements for the British contingent in the multinational

have to be reconsidered by all those

contributing to the force." Sir Geoffrey said that with national reconciliation talks among

attacks was being explored.

Tehran's official Islamic Repub-

istry said would begin at the Inter- Syria." continental Hotel in Geneva next

ment of the conference table. said, "The seating arrangement for closely allied. the Lebanese opposition group, President Gemayel and the Leba-nese Forces, as well as Saudi Arabia and Syrian mediators, must be

made in such a way as to give each

When asked about Mr. Ge-

mayel's plans to make an opening of younger guerrilla commanders Rescue workers said one dead speech at the conference, Mr. have shown talent in planning and officer was pulled out of the rubble Jumblat replied, "This is not the staging hit-and-run raids against still bent over in the act of lacing time for speeches but for solving the basic problem."

■ Syria, Iran Deny Role The Syrian and Iranian governments rejected U.S. suggestions

that they were involved in the bombings, The Associated Press reported from Damascus. Hours after Sunday's attacks, the U.S. defense secretary, Caspar W. Weinberger, said circumstantial ev-Commons, Sir Geoffrey said there idence "points in the direction of Iran" as the perpetrator. President

> Washington news conference Mon-The chief White House spokesman, Larry M. Speakes, said a possible Syrian connection with the

Reagan implied the same at a

the Lebanese factions scheduled to lic News Agency, in a dispatch re-begin in Geneva next week, "It is ceived in Nicosia, Cyprus, quoted now all the more important for all an Iranian Foreign Ministry parties ... to get together to settle spokesman as denying any Iranian

that although be expected to attend Syrian government source" as de-the national reconciliation confer-nying the "insinuations voiced by ence, which the Swiss Foreign Min-some American officials against

Iran's Shiite Moslem revolution-Monday, there would be an early ary government has ties to Shiite dispute over the seating arrange extremists in Lebanon, and the Syrian government has suported Mos-In an interview in Amman, Jor- lem leftist groups in Lebanon's civil dan, with Renters, Mr. Jumblat wars. Iran and Syria are themselves

> Ceausescu Arrives in Cyprus The Associated Press

LARNACA, Cyprus — Presi-

Mr. Jumblat said he would meet dent Nicolae Ceausescu of Romalater this week with other leaders of nia arrived here Monday for a two-

Paris, the cashmere capital. Paris offers you the widest choice of 100 % pure cashmere pullovers in Europe:

make heads turn. All the models in our range are specially made (or us in Scotland. Each article sold is accompanied by a certificate of authenticity. **DUTY FREE**

Visa - Diners Club - American Express

2 rue d'Aguesseau (60, faubourg Saint Honoré) HOUSE 75008 Paris

Hundreds Arrested in U.S. the leftist National Salvation Front to complete a position paper for the day visit to Cyprus on the final leg of a tour of the Middle East. During Anti-Nuclear Rallies

(Continued from Page 1) asserted that most people in Belgium and West Germany were against the new missiles.

But in Bonn, Chancellor Helmat Kohl said that no protest action would divert his government from carrying out its pledge to deploy the missiles, a spokesman said.

promise of the previous government, but also have a clear mandate from the compelling vote of quoted as saying.

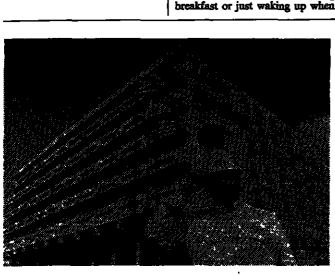
Monday's protests — the Seneca (AP, UPL Renters)

Army Depot in Romulus, New York, the Savannah River Plant in Aiken, South Carolina, and the AVCO Systems Division plant in Wilmington, Massachusetts play a role in the production or storage of nuclear missiles.

At the Romulus depot, protest-

ers began climbing over the fence after an attempt to blockade the main gates failed to halt work. Among the fence-climbers was Dr. Benjamin Spock, 80, author of a perennial best seller on infant care the German electorate in the election of March 6," Mr. Kohl was who was helped over the six-foot (1.8-meter) fence by two women In the United States, protesters and was eased down on the other said three of the sites chosen for side by two military police officers.

Make the Athens Marriott Hotel your business centre in Greece. Athens Marrion Hotel is now open In addition to Athens, there are And has been designed to cater lor all the needs of business other superb Matriott Hotels in American, Amsterdam, Cairo, Jeddah, London, Kuwait and Riyadh, plus over 100 travellers - our rooms and suites are Marriott Flotels world-wide. 5-star standard as is the service which For reservations. United States \$800 228 9290; Amsterdam \$\mathbb{C}(020)\$ ensures you a 'trouble-free' stay. You can entertain in presigious sur-roundings, and of course we have the 43 51 12: Frankfurt 🎔 (0011) 28 74 92: Hamburg @ (040)455526;London(01) 836 8521; Munkth @ (089) 18 20 93; acilities to enable you to carry on



business while you are away from home. We have in-house TV movies, a roof swimming pool and whirlpool. Magnifi-

Your Travel Agent, or your near Marriott Hotel. t views of the Acropolis.
Everything that can be done to Ledra Marriott Hotel ensure the success of your business trip Athens

his boots when the building collapsed and crushed him. In London, the foreign secretary,

peacekeeping force.

In a statement to the House of were no plans to change the size or role of the 100-man British unit following Sunday's bombing at-tacks. But he added that all aspects of peacekeeping force "will now

their differences by negotiation." role in the bloodshed.

Meanwhile, the leader of the Syria's official Syrian Arab
Druze militia, Walid Jumblat, said News Agency quoted an "official

40 colours are available in 5 sizes for men and women. The range also includes dresses and scarves in 100 % pure cashmere. Enjoy the warm international welcome at Paris and take advantage of the competitive prices; we will help you in choosing the cashmere to "We are not only pledged by the

CASHMERE



mich and the state of the state The same of the sa Min to a leaf المستعقدة कि ।तम कि के इस्त्रों किल किलान Sevence of a gen Florida The state of HOLLYWOOD, FR z Vice Presidenti Wa The superiors regor made are course minus sear poli

He Rest - Asker

finds several it. said

ತ್ರಾಪ್ತ ಕಟ್ಟ್ ಬ್ಯಾಂ ದಾರ

zardese siwe

the Assess of the Delta a 性 5737年 2777 3418 ienomini State Com Resettan de haci expe saltant the result. paradi labor's supp <u>ಶಿವೇ ೭೩ರೆ ೨ ವರಗಳು</u> true the former va hand in 30 percent braces polled, Mr. Execution the news ESC Asica said i ನದ ಇಂಟೇಹ್" with des wavention o

Grapes and vintner The sl n bou pa ud grey rot fur Rovral

stops it fra

without har

German and

producer d

is a leading

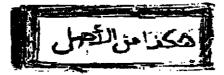
vegetables

by the turn

must be box

In Gree

If we ar



WORLD BRIEN High Court Appears Receptive To Eased Church-State Barrier

By Linda Greenhouse New York Times Service

WASHINGTON — Among the items on the Reagan administra-tion's agenda of "social issues" The court has been cool to me administration's views on civil and abortion, but more re-

NEWS ANALYSIS

Can Product Comment of the Comment o

the man and the second

Parties of Artist Control of the Con

Shift Slightly to Rightin

gia Cumman Called Fith

فيتنافض المناف والمراجي

mer Vice President Walter F. Mon-

dale's supporters rejoiced over his

second-place showing Sunday in a second-place showing Sunday in a presidential straw poll in Florida,

MITTERN WAFTE Of a CONT in the straw poll at the Florida

Control of the Contro

constitutional barriers between church and state. In decisions last term, it agreed with government lawyers that neither Nebraska's salaried legislative chaplain nor Minnesota's tuition tax deductions, which benefit mainly parochial schools, violated the First Amendment's prohibition of Congress making laws on the establishment

and the state of t Now the administration has asked the justices to take a giant step across the line dividing church and state and let Pawtucket, Rhode Island, continue its 40-year-old practice of including a nativity spene in an official Christmas dis-The second secon play. That the Justice Department decided to join a local dispute, which the high court heard earlier this month and apparently hopes to decide before Christman, is determined to this government's determined to the sure of this government's determined to the sure of the sure nation to restore a religious fiber to American life.

Last year, une amount pushed cases involving religious observance of a general nature.

while Renbin Askew, a former

Florida governor, said his winning

margin was large enough to keep

Democratic State Convention was

worse than he had expected, and he

attributed the result, in part, to

organized labor's support for Mr.

Mondale and a newspaper survey

showing the former vice president

favored by 32 percent of Florida Democrats polled. Mr. Askew had

26 percent in the newspaper poll.

But Mr. Askew said he was "hap-

Mr. Askew's 45-percent showing

his candidacy alive.

Nebraska's chaptain, for example, of our heritage and should continue offered nondenominational prayers that avoided references to Christ. This time, the administration of our heritage and should continue to be an element in our public life and public occasions."

The issue, then, goes beyond the the governmental display of a fun-damental symbol of a particular

religion, Christianity. In his argument, Solicitor Generremoved from its religious roots as to barely raise a constitutional question. Rather, Mr. Lee told the justices that Christmas is rooted in religion as "a matter of undeniable historical fact," and that to read the constitution as requiring the exclusion of that fact "from our national consciousness is nothing less than intellectual and historical dishonesty." It would be, he said "cultural

That view is not shared by the National Council of Churches, the one mainstream Christian organization to file a friend of the court and so failed the test. On appeal, brief. The council contended that the government is asking the court government sponsorship "degrades and secularizes a sacred symbol of

The administration went to some length to put its position before the court, since the rules require every

35 percent of the vote of the 2,325 poll.

delegates showed he could win in

the South. Workers for Senator

John Glenn of Ohio said they were

satisfied with his third-place finish

About 150 to 200 delegates, at

the urging of labor unions,

switched from Mr. Askew to Mr.

Mondale during the Democratic

convention, party leaders said. Po-

litical observers considered the

vote a test of Mr. Mondale's en-

the National Education Associa-

tion, a teachers group.

the state convention poll. He said Glenn; the failure of about 500 percent, the poll said.

Christ. This time, the administra-tion is asking the court to endorse

The issue, then, goes beyond the content of a Christmas display. It is the Reagan challenge to the way the Supreme Court has analyzed the First Amendment's prohibition In his argument, Solicitor General Rex E. Lee did not rely on the analysis put forward by Pawtucket's lawyer—that Christmas nowadays is a "secular folk festival" so plan, the court has applied a three-part test to laws challenged under the establishment clause. A law will be upheld only if it: reflects a clearly secular legislative purpose; nei-ther advances nor inhibits religion as its primary effect: and avoids

> In the Pawtucket case, which was brought by the American Civil Liberties Union, both the Federal District Court and the 1st U.S. Circuit Court of Appeals ruled that the crèche lacked a secular purpose to set aside the test in this case and take a fresh look at the crèche as one of many symbols of a recognized national holiday.

excessive governmental entangle-

That approach may be welcomed by justices who are restive with the "friend of the court" to identify its three-part test. They applied it only "interest" in a case and the government's stake in Pawtneket's crèche sota's tuition tax deduction, and was not obvious. Thus, the admin-not at all in upholding the Nebrasistration's brief opened with an ka legislative chaplain. If a essay about how the government majority agrees the test has out-"from the earliest days of the re- lived its usefulness, the creche dispublic to the present" has felt free pute gives the court the chance to to "recognize that religion is a part announce a new approach.

That poll, conducted by three

newspapers and published on the

morning of the convention ballot-

nor." Mr. Askew said of the news-

■ Mondale Wins in Northeast

Hampshire, The Associated Press



An videotape showing the arrest last year of the automaker John Z. De Lorean, left, by FBI agents, who are handcuffing him, was broadcast Sunday night by the CBS network.

CBS Shows Tape of De Lorean's Arrest After Court Refuses to Bar Broadcast

eotape showing the automaker an agent. John Z. De Lorean examining contents of a suitcase purportedly con-

about the tape earlier in the day. handcuffed. The tape is thought to be key government evidence against Mr.

The tape is thought to be key government evidence against Mr.

FBI, the agent said. "You're under arrest for narcotics smuggling arrest for narcotics. Florida Poll Buoys Askew Campaign

the it was sufficient for him to con-tinue his campaign. delegates to attend; the major ef-fort by organized labor on behalf of Mr. Mondale's backers said his Mr. Mondale, and the newspaper Mr. De Lorean was arrested in rights. Los Angeles in October 1982.

ing, placed Mr. Glenn third with 19 agent, entered carrying a suitcase, which he placed on a coffee table "Where I lost was among people and opened. who weren't here when I was gover-

"This is the other half that is going out of here as soon as we are done," the man is heard to say, and he added, "Between this and the Mr. Mondale held a command- other I'll generate, uh ... about dorsement by the AFL-CIO and inglead over Mr. Glenn in a Demo- four and a half, not less than four

cratic presidential poll in New and a half mil." Mr. De Lorean responded, . Mr. Askew attributed his showing to a concerted effort by two

Mr. Askew attributed his showing to a concerted effort by two

Mondale was favored by 44 percent than this, for God's sake."

Then the suitcase is put out of py and satisfied" with his total at candidates, Mr. Mondale and Mr. while Mr. Glenn was favored by 20 sight, a champagne cock is popped and Mr. De Lorean raises his glass town apartment building.

Compiled by Our Staff From Disputches in a toast. "Here's to ... lot of called hearing, three judges of the IOS ANCIFIES -- An FBI vid-success," said the man identified as 9th U.S. Circuit Court of Appeals Then another man entered, iden-

taining cocaine was broadcast na- Federal Bureau of Investigation tionally Sunday night by CBS and arrested Mr. De Lorean, who News, which had won a court battle put his arms behind his back to be

drug-trafficking charges. An attor- violations. Would you stand up, ney for Mr. De Lorean had warned please?" Mr. De Lorean responded, that showing the tape would "un-"I don't understand," but stood. leash a circus unprecedented in He was handcuffed and sat back down again, where he was read his At the local CBS station in Los

The tape showed Mr. De Lorean Angeles, KNXT, five minutes of lounging on a couch in a hotel guest tape segments were broadcast Sunroom and talking to a man sitting day night, including a segment across from him, who is barely visi-showing Mr. De Lorean discussing ble. Another man, identified in the the demise of his automobile com-CBS telecast as an undercover pany in Northern Ireland and his need for money to save the firm. "This is what they call the nick of

time," he said at one point. A KNXT spokeswoman said the hours and will broadcast other ex-

3 Killed in San Diego Fire

United Press International SAN DIEGO - Three persons edented in court history," were killed and 40 others were in- Weitzman said. "The media would II of Denmark and her husband, jured Sunday in a fire at a down- be irresponsible to release them

indicated they had no authority to impose prior restraint on the media to publish or broadcast material.

Mr. De Lorean's attorney, Howard Weitzman, and his co-counsel, Donald Re, told the court that broadcast of the surveillance tapes would make it virtually impossible to find an impartial jury anywhere in the country to judge Mr. De Lorean on the cocaine conspiracy charges. They indicated the broadcast might lead to a motion to dis-

Mr. De Lorean's trial is scheduled to begin Nov. 1.

The trial prosecutor, James Walsh, argued emotionally against the release of the tape but was scolded by one of the judges for not keeping better control over the evidence and preventing a leak to

Following the ruling, Supreme Court Chief Justice Warren E. Burger and Justice William H. Rehnquist refused to block the broadstation has 10 tapes that last 12 cast. The circuit court's order vacated a temporary restraining orerpts this week.
Earlier Sunday, at a hastily
Earlier Sunday, at a hastily
who had scheduled a hearing on the

issue Monday. "I think the release of these tapes is going to unleash a circus unprec-

Ruckelshaus Delaying **Proposal on Acid Rain**

By Philip Shabecoff New York Times Service

WASHINGTON --- William D. Ruckelshaus, administrator of the an acid rain program until early environmental Protection Agency, next year, when it would be too late next year, when it would be too late has put off indefinitely a recom-mendation to President Ronald Reagan on a plan to control acid rain because of opposition from high-level members of the adminis-

Agency officials said the process of developing such a plan was still going on although the pace of work had slowed. They said they still expected a recommendation to be

made.
But Mr. Ruckelshaus, who said last summer that he would have a recommendation for the president by the end of September, now has no timetable for an acid rain program, according to agency officials. They could say only that a recommendation was still possible before the end of the year.

Mr. Ruckelshaus went to the

White House on Wednesday to discuss the issue with key presidential aides, including James A. Baker 3d, the chief of staff; Edwin Meese 3d, the president's counselor; and David A. Stockman, director of the

Office of Management and Budget. According to administration officials, no substantive decisions were made at the meeting.

One reported result of the meeting is that the environmental agency will look at new options for solving the acid rain problem that would meet the objections of the budget office, the Department of Transportation and other critics in

the administration. Acid rain is precipitation that has a high concentration of acids produced by sulfur dioxide, nitrogen oxide and other pollutants emitted in the combustion of fossil fuels, mainly from power plants and factories. It has a destructive effect on buildings and plant and acquatic life.

Environmentalists and some Democrats in Congress said they feared that Mr. Ruckelshaus's inability to come forward with an acid rain program after nearly six months in office indicated he could exercise little real power to protect the environment in an administration more concerned with reducing spending and easing the regulatory burden on industry.

David Hawkins, an environmen tal agency official in the Carter

Danish Queen Visits Spain

MADRID — Queen Margrethe Prince Henrik, arrived in Spain on Monday for a two-day state visit.

administration and now an attorney for the Natural Resources Defense Council, said the Reagan administration was trying to stall on

for congressional action before the presidential election. That way, he contended, the president would appear to have proposed a program but would not have to impose costly controls on industry to reduce the sources of

In September agency official re-ported that, after an intense examination of options, Mr. Ruckelshaus limited, experimental program aimed at cutting down sulfur emissions in four to six states in the Middle West to reduce acid rain in the Northeast, where its impact is a growing problem.

The cost of the program was estimated to range from \$1.5 billion to \$2.5 billion.

When Mr. Ruckleshaus presented the program to the President's Cabinet Council on the Environment, it was attacked as excessively expensive and unmanageable for political and other reasons.

AUTHORS WANTED BY N.Y. PUBLISHER

uvernie scholarly and religious works, etc. New authors welcomed. Send for free booklet. H-3 Vantage Press. 516 W. 34th St. New York, N.Y. 10801 U.S.A.

Our know-how keeps us first in Istanbu

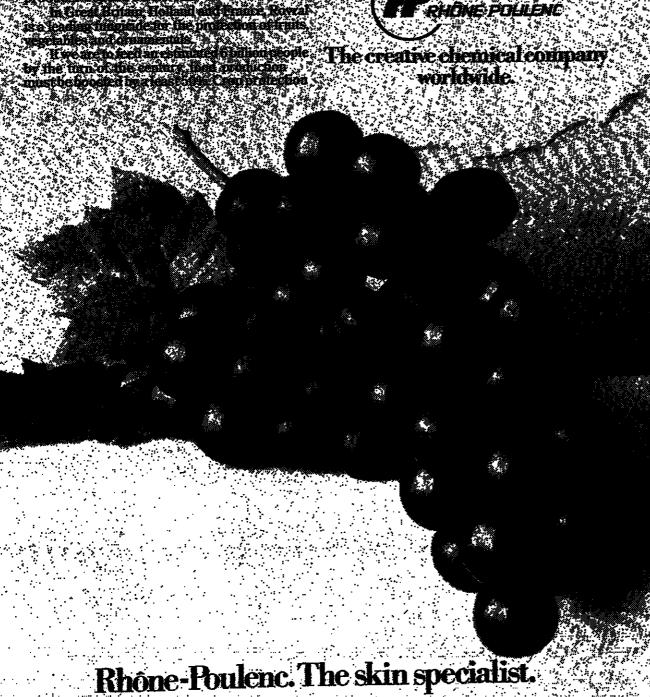
over the Bosphorus from your private balcony. Dine on Turkish or international delicacies at the Roof Rotisserie. Relax in the health dub or walk in our beautiful gardens. If business takes you to Turkey, Hilton International Istanbul offers some of the best executive facilities around

For reservations, contact your travel agent, any Hilton hotel or Hilton Reservation Service in Copenhagen, Frankfurt, London, Madrid, Oslo, Paris and Stockholm



products from Rhone Poulent are already helping to assure tomorrow's haivests worldwide Agrochemical research is only one of Rhone Compes néed careful tending as any wine lover. Partient's many activities in more than 90 coun-tries Rhibne Prodenc is finding today the answers to tomorrow's needs at testiles, medicine, commu-nication systems, as well as in crop protection. RHÔNE POLILENC

better-financed and better-known to be the Democratic nominee



Royral, a impricide discovered by Rhone-Poulenc, can prevent fungus from developing on grapes of other traits and regetables.

Whenever you rent a car from Europcar, you meet people who obviously enjoy serving you. People who know their job, who have confidence in their organization, confidence in the cars they give you-and people who like people. You get a feeling of friendly professionalism. We call it the Europear Super Service.



Europcar L Super Service people

You'll find the Europear Super Service everywhere, throughout Europe, Africa and the Middle East (in the U.S. and Latin America, it's National Car Rental). Just call the nearest Europear rental office or your travel agent for reservations. Then you'll be helped by the Super Service people. You'll be in good hands, and off in a good car.

Hearings Expected On Carter Papers

By William E. Farrell New York Times Service

WASHINGTON - A fourmonth congressional investigation into the conduct of the 1980 presidential campaign is expected to result in public hearings by mid-November that will focus on how Ronald Reagan's campaign obtained copies of briefing papers prepared for President Jimmy Carter in his television debate with Mr.

The hearings were originally planned for this month, but the chairman of the House subcommittee conducting the inquiry said last week that "new leads" had been uncovered that required additional staff investigation.

The chairman, Representative Donald J. Albosta, a Michigan Democrat who heads the Human Resources Subcommittee of the House Post Office and Civil Service Committee, offered no details about the "new leads." But he said he hoped the hearings could begin before Nov. 18, when Congress

The subcommittee investigation is being conducted parallel to one by the Federal Bureau of Investigation, and an agreement has been worked out whereby the bureau has been giving the subcommittee staff the information from its interviews.

The subcommittee staff of 10 has conducted more than 100 interviews and has studied Mr. Reagan's campaign files.

The subcommittee study is focusing on whether changes are needed in the Ethics in Government Act, which regulates the con-duct of federal employees. The act of calling hearings would appear to reflect a feeling by the subcommittee that such reforms are needed, according to legislative experts.

An effort has been made to conduct the investigation in a biparti-san manner, although a partisan incident occurred in mid-September when Mr. Albosta, in a report to the subcommittee, said that evidence had been uncovered indicating "an organized effort" by the Reagan campaign to obtain materials from the Carter White House. This assertion was denied by Steve Hemphill, the Republican counsel to the Post Office and Civil Service

Since then, there has been little public comment about the panel's

The congressional inquiry came after a furor last summer over the disclosure that Reagan advisers in the 1980 campaign had access to strategy material prepared for Mr. Carter. At first Mr. Reagan dismissed the issue. But a few days later he asked the Justice Department to conduct a "vigorous monitoring? of the incident for any sign

At the center of the controversy are conflicting accounts by two agan aides over how the Carter briefing papers were obtained.

James A. Baker 3d, the White House chief of staff and a Reagan campaign aide in 1980, has said he believes the material was contained in a notebook handed to him by William J. Casey, now director of central intelligence. Mr. Casey, who was Mr. Reagan's campaign chairman, has denied that.

Although the congressional subcommittee has not announced who would be called as witnesses it is expected that Mr. Baker and Mr. Casey would be among them. Witnesses at the hearing will be testify-ing under oath, and the subcommittee has subpoena power.

There's a place

tor you in

The Amsterdam Sonesta Hotel. Conveniently located in the

heart of the centuries old city. Our 5-star hotel combines

parking garage and a friendly bilingual staft.

modern comfort and luxury with 17th century architecture

and old world charm. Outstanding restaurants, health club,

Call Sonesta Instant Reservations

Paris 06 079 1717 Frankfurt 0611 284 388

Or call the hotel direct 020 21 22 23

Kattengat One, 1012-SZ Amsterdam, Holland

VOLVO CAR SALES

FACTORY PRICES

138, avenue des Champs-Elysées. 75008 PARIS.

Tél.: (1) 225.60.70.

800 direct connection for the cost of a local call

Amsterdam Sonesta Hotel

London 01 628 3451 Zurich 01 302 08 57



Kenneth Kurze, a U.S. diplomat, speaks with reporters in Bridgetown, Barbados, after returning from Grenada, where he and other U.S. envoys visited with American residents.

Grenada Keeps Airport Shut, Barring Americans and Britons From Leaving

BRIDGETOWN, Barbados —

Grenada kept its airport closed Monday, blocking at least 200 U.S. citizens and 40 Britons who want to leave the troubled Caribbean island, diplomatic sources said.

A spokesman for the U.S. Embassy in Barbados confirmed that there was no air traffic to or from Grenada, but added that "all options are under consideration as far as the departure of Americans is concerned." He declined to elabo-

40 to 50 of the approximately 350 Britons on the island want to leave.

the United States, Britain and some Grenada by a majority vote.] Caribbean countries.

The 16-member council, headed by General Hudson Austin, sezzed power Oct. 19, after Prime Minister Maurice Bishop, three cabinet ministers and several other Bishop supporters were killed by soldiers in St. George's, the capital.

Mr. Bishop had been deposed a week earlier in a move supporters said was arranged by his deputy, Bernard Coard, a radical Marxist. But Mr. Coard since has disap-

Speakes, the deputy White House press secretary, said there was no indication of any danger to Americans in Grenada. He said civil vioserved arriving Sunday afternoon lence was reported to be dwindling. but that "the situation remains un-

Grenada's 110,000 people faced a fourth day under a 24-hour curfew on Monday.

Four U.S. diplomats visited Grenada Sunday to interview Ameri-

can residents, and one of the diplo-mats, Kenneth Kurze, later said Americans were not yet being urged to leave.

Leaders of the 13-nation Carribean Community, or Caricom, decided Sunday in Trinidad to cut off discussed possible military intervention to "restore normalcy" in Grenada, but were unable to agree on any joint action.

The leaders decided to restore normal relations with Grenada only when a broad-based civilian A Western diplomatic source government is put in place with said that between 200 and 300 of plans for early elections, according the nearly 1,000 U.S. citizens and to Prime Minister George Chambers of Trinidad.

President Forbes Burnham of Radio Free Grenada, which is Guyana said his country was the government-controlled, said Sun- only one present to oppose the susday that the airport would open on pension, Reuters reported from Monday. But it later amounced Trinidad. Caricom normally rethat the ruling military council quires unanimous consent to take feared an invasion by forces from action, but made the decision on

Radio Free Grenada said the government feared an invasion would follow the Caricom meeting.

The broadcast said the military council sent a diplomatic note to the U.S. Embassy in Bridgetown, warning that an invasion would lead to the deaths of "thousands of men, women and children" and would be "a rude violation of Grenada's sovereignty and of international law."

The broadcast repeated earlier In Washington, Larry M. assurances that the lives and prop-

> at the Barbados international airport. Hudson Tannis, foreign minister of St. Vincent, said policemen from his island state had traveled to Barbados to participate in a regional training program "in light of the present developments in Grenada." But he said there were no

regional force in Grenada. The United States has said it

does not intend to invade Grenada. A 10-ship U.S. naval group carrying 1,900 Marines is sailing toward the area of the tiny nation with the all trade with Grenada. They also announced mission of evacuating Americans, if necessary.

Britain said Sunday it was sending a destroyer to its former colony in case British citizens want to leave. Canada has been trying to arrange a charter flight for about 20 Canadians, a Canadian External Affairs Ministry official said in

At Least 100 Held In Bombings by Guerrillas in Lima

LIMA - Police arrested more than 100 people in connection with weekend bombing attacks in which five persons were killed, but the woman who is a key suspect was still at large, a Civil Guard spokes-man said Monday.

The spokesman said many of those picked up in the sweep by

He said investigators had determined that the bombing of the neadquarters of the Popular Action Party Saturday night was led by Laura Zambrano. She is believed to be head of Lima operations for the Maoist gnerrilla group, Sendero Luminoso, or Shining Path, which has been lighting the government for three years, he said. More than 20 bombs were ex-

ploded in coordinated attacks in Lima.

Managua Plans Coastal Security Zone To Protect Oil Depots From Attack

By Robert J. McCartney

Washington Post Service MANAGUA — Nicaragua plans to declare a 25-mile security zone off both its coasts and move thousands of people away from vulnerable fuel-storage tanks in the nation's largest port in response to recent attacks by U.S.-backed counterrevolutionary guerrillas, according to government officials.

The steps reflect concern over the rebels' success at staging raids on coastal facilities from the sea. The security zone could lead to Honduran coast, north of Nicara-

Under the naval and air security zone proposed by the junta, foreign military planes or ships would have to ask permission 15 days in ad-vance before coming within 25 miles (40 kilometers) of the Nicaraguan coast. Civilian craft would have to seek permission a week in

advance.
While the United States technically only respects a three-mile coastal limit, it has in practice kept ships more than 12 miles from the Nicaraguan coast, a U.S. Embassy

The United States or other countries with ships in the area might object to the 25-mile zone. A flotil-la of U.S. ships was dispatched to waters near Nicaragua's Caribbean and Pacific coasts last summer in a show of force coinciding with U.S. military maneuvers in Honduras.

The Nicaragnan plan, outlined Sunday in the pro-government newspaper Nuevo Diano, does not explicitly threaten to attack military ships or planes that infringe on the 25-mile limit. Instead, it provides for fines of up to \$75,000 if the vessel or plane resists authorities seeking to exped it.

To enforce the zone, Nicaragua would have to rely on its small navy, made up mostly of small patroi boats.

The Council of State, the national legislature, is scheduled to begin considering the plan Wednesday. It is dominated by the Sandinists, and approval is considered routine.

The Sandinist government also began over the weekend to promote a peace proposal it had presented in Washington on Thursday aimed at negotiating a halt in guerrilla

Daniel Ortega Saavedra, coordinator of the roling revolutionary junta, sounded conciliatory when asked to comment on a U.S. statement calling the Nicaraguan pro-posals "deficient."

"We hope that they really will study them and plan political solu-tions," Mr. Ortega said Saturday.

The pro-government media had given relatively little attention to 20,000 police in the capital were the peace proposals Thursday and questioned and released. But he Friday, but the official newspaper the peace proposals Thursday and said at least seven with links to of the ruling Sandinist front on guerrilla groups were still being Sunday ran a long editorial stressing Nicaragua's willingness to ne-

In another development, Mr. Ortega announced that repairs had almost been completed on an underwater pipeline that was sabotaged Oct. 14 at a vital oil-receiving terminal in Puerto Sandino. He said that negotiations were under way to rent a tanker to deliver oil after Exxon Corp. 10 days ago stopped providing tankers to carry oil to Nicaragna because of safety

A diplomatic source said a tank-er had already been leased and was expected to arrive in early November. Tankers docking at Puerto Sandino provide more than three-

Jessica Savitch, An Anchorwoman For NBC, Drowns

NEW HOPE, Pennsylvania Jessica Savitch, 35, an anchorwoman for NBC News and for a weekly program on the Public Broadcasting Service, drowned Sunday along with Martin Fischbein, a New York Post executive, when their car tumbled into a canal near the Pennsylvania-New Jersey border, officials said Monday. The car was found early Monday

in about four feet (1.2 meters) of water, rescue officials said. They said the vehicle was upside down and that mud apparently had pre-vented the couple from opening the car doors. It was not clear why the

Mr. Fischbein, 34, was vice presi dent and assistant general manage of the Post. An NBC spokesman said Mr. Fischbein and Miss Savitch were close friends.

Miss Savitch, who had been with NBC for six years, delivered the network's prime-time news updates, and had been an anchor for the Saturday edition of the "NBC Nightly News" until last sum when she was replaced by Connic Chung. She was the author of the book "Anchorwoman."

DEATH NOTICE

SWEENY, Robert J. V., DSC at his home on Oct. 21, peacefully after a long illness bravely borne. Beloved father of Sharon Sharples and Brenda Watson and beloved brother of Charles Sweetty, Requiem mass on Wed., Oct. 26 at 11 a.m., Farm Street Church, W.I. and there at Brookwood Cemetery; Working.

DEATH NOTICE

Mr. Gregg CONWAY, Chairman of th art department, in the Paris American Academy, just died. The funeral service will be held at the Pere-Lachaise, on Wednesday, October 26, at 10:30 a.m. quarters of the nation's petroleum would live in new homes being conneeds, and the government told cit-structed less than 10 miles away. izens to expect tighter fuel rations after Exxon canceled its shipments.

The U.S. corporation acted after guerrillas of the CIA-funded Nica- fired on the fuel tanks, starting a ragnan Democratic Force threat- huge fire. Nicaragua also has sufened to attack any tankers supply- fered attacks by small aircraft in ing Nicaragua. The government also is planning caused more damage. to evacuate about 3,000 people

close to 25,000, was evacuated Oct. the past six weeks, but the boat raid

Mr. Ortega said the government from their homes around fuel tanks was considering moving the port's in the Pacific port of Corinto before Nov. 10, officials said. They danger of attacks.

Corinto, with a population of

tensions between Nicaragua and the United States, which reportedly still has warships in waters off the U.S. Mayors Warn in Report

WASHINGTON - Despite the economic recovery and successful food programs by local governments and private groups, the problem of hunger is continuing to grow in American cities, the U.S. Conference of Mayors said Mon-

The conference, in a new report, "Responses to Urban Hunger said the gap between the demand for assistance and the public and private resources to meet that demand "continues to wider."

While local efforts have provided temporary relief to numerous city residents, they often do not serve all of the people in need," the

Minute of Silence **Barred in Schools** In New Jersey

NEWARK, New Jersey - A U.S. judge Monday struck down a New Jersey law requiring a minute of silence at the beginning of each

school day in public schools. U.S. District Judge Dickinson Debevoise, acting on a suit brought by the American Civil Liberties Union, ruled the law violated the First Amendment because it had a "religious purpose." State lawmak-ers contended they never intended to attach religious significance to the moment of silence.

The law was enacted by the Democratic-controlled legislature Dec. 16 over the veto of Governor Thomas Kean, a Republican, who said the measure posed constitu-

The sponsor of the measure, James Zangari, a Democrat, said, "If I thought it was a prayer bill, I ments and as the weather began to wouldn't have introduced it." He turn colder, again threatening to said he would ask his colleagues to appeal the ruling.

Gold metal comers

report said. "In addition, by investing such a significant portion of their resources in emergency feeding programs, many local agencies have had to cut back on other need-

ed services." It concluded, "The problem of hunger is indeed continuing to grow in cities despite recent reports

of an economic recovery. It said the chief cause of hunger is joblessness, "which has remained near record levels in the last year and is not expected to decrease substantially in the immediate fu-

The problem has been exacerbated, clearly, by the recent drastic cuts in federal benefits, and the high cost of basic necessities, such as food, shelter and energy," the

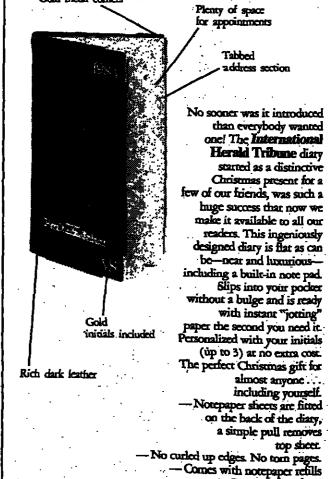
The report, the second of two funded by the American Can Co. Foundation to examine hunger in U.S. cities, found a number of successful private and public food programs in Cleveland; Columbus,

Ohio; Detroit; El Paso, Texas; Indianapolis; Knoxville, Tennes Philadelphia, and Seattle. Examples of successful programs cited included emergency telephone lines for food in Detroit and Philadelphia, food banks in New York, Seattle and El Paso, emergency food coalitions in Cohmbus and Cuyahoga County, Ohio, a municipal food policy in Knoxville, surplus food commodities distribution in Nashville and Detroit, an urban gardening project in Cleveland, an emergency assistance fund in Indianapolis and an effort to

New Orleans. The report was released as the mayors' conference convened its seventh annual meeting of officials from city human services departaggravate the problems of home-

raise awareness of the problem in

Our exclusively-designed leather pocket diary is thin, flat and elegant.



Order your International Herald Tribune diaries today! U.S. \$18 or equivalent in any other convertible currency. Postage and handling in Europe included.

Outside Europe, add \$3 per item for additional postage. Return this coupon with your check or money order (do not send cash) made payable to: "Dataday Lett." and send them to: Dataday Ltd. Attention: Paul Baker, 8 Alexandra Road, London SW19 7JZ, England. Initials desired (please print) 25-10-83

PLUS: Pages of useful information. Conversion tables of

weights, measures and distances, a list of national holidays by

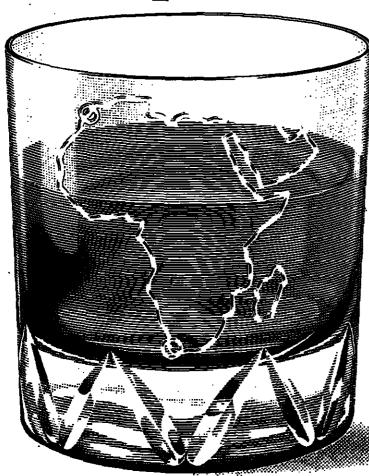
country, airport distances, vintage chart and other facts. . . All in

— Format: 8 x 13 cm.

this incredibly flat little book.

From Casablanca To Cape Town.

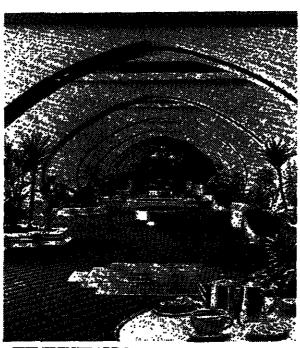
VOLVO



Johnnie Walker Red Label

THE CLASSIC SCOTCH WHISKY ANYWHERE

THE JEDDAH AL SALAM MERIDIEN HOTEL

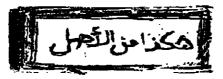


THE FRENCH ART OF FINE LIVING IN JEDDAH



You can find this French art of fine living in Cairo, Baghdad, Palmyt Damascus, Lattakia, Kuwait, Al Khabar-Dhahran, Abu Dhabi, Sharjah Kartourn, and soon in Aleppo, Heliopolis, Alexandria, Colombo, Delhi. Call "Mendien Reservation International" in Paris 757.15.70., in Landon 491.35.16, for all the Meridien hotels: Parls, Nice, Lyons, Tours, Athens, Tunis, Manastir, Mahammedia, Dakar, Bujumbura, Kigali, Part-Gentil, Brazzaville, Douala, Gisenyi, Saint-Louis, Mantreal, Houston, Boston, New-York, Bahia, Ria, Tokyo, Hong Kong city, Hong Kong airport Guadeloupe, Martinique, Mauritius Paradis, Mauritius Brabant, Reunion, Next openings: San Francisco, New-Orleans, Mexico city, Singopore city,

Singapore Changi, Porto, Lisbon, Warsaw.



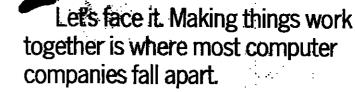
er Problem Widen Mayors Warning

pastal Security à

epots From Alla

ir exclusively-design eather pocket dia thin, flat and eleg

We bring everythingin your office closer together. That's what puts Wang way



They talk about compatibility, while they deliver a family of products that relate to each other in name alone.

Quite simply, that's what separates Wang from everyone else. Because unlike everyone else, Wang has a family of products that are truly compatible.

Not just compatible from top to bottom and bottom to top, but across the board. From personal computers. To word processors. To office information systems. To large computers.

And it stands to reason, that when everything in your office works better together, everyone in your office does too.

As more people manage information and communicate it in more ways than ever before - in words, pictures, numbers and voice, it just makes sense to choose Wang.

Because Wang offers you total solutions that bring everything, and everyone, in your office closer together.

That's what puts Wang way ahead. For more information simply contact one of our subsidiaries.



America Held Hostage

by Middle East circumstance beyond its control and this time there is no escape through daring rescue missions or ransom negotiations. Honor and prestige are again on the line, but the U.S. Marines who claim them are dead. They are the victims of a murky diplomatic cause that President Reagan feels bound to reaffirm but still cannot fully define.

There are no words, as Mr. Reagan said, to express our grief at the losses of American and French troops. But where are the words that express their purpose and the conditions under which they would finally depart? The dilemma was more candidly stated by France's foreign minister, Claude Cheysson. His nation, too, he observed, "isn't accustomed to giving up under pressure, but we must ask if our force's military role is really necessary."

It is a proper question now that the cost of the troops' inert presence around Beirut has been so shockingly raised. It is glib to rush to answer in the first hours of despair.

The 5,000 American, French and Italian troops in Lebanon are not a "peacekeeping" force neutrally protecting an agreed political arrangement. They guard the airport and other approaches to Beirut on behalf of a weak Lebanese government seriously challenged by assorted private sectarian militias. Some of these sects are beholden to Syria, which keeps 40,000 troops in Lebanon and aims to control

the eventual government in Beirut.
The Syrians, in turn, are stiffened by at least 5.000 Soviet "advisers" who operate missiles in Syria that cover a large part of Lebanon's

Once again the United States is held hostage territory and airspace. They are strategically matched by Israel, which humbled the Syrians on its march to Beirut last year but has since retreated to avoid the kind of casualties that are now being inflicted on the marines.

Israel helped to create the Gemayel government but has long since despaired of bringing order to Lebanon. It has offered to withdraw altogether if the Syrians also withdraw. If not, it will control southern Lebanon while acquiescing in the partition of the country. The U.S. Marines serve no Israeli military need.

To abandon Lebanon to Syrian domination can be represented as a defeat for the West and a triumph for Soviet policy. But it would more accurately be only a surrender to the chaos that prevailed between 1975 and 1982. The Western forces were withdrawn once, 13 nouths ago, after briefly monitoring the PLO's evacuation from Beirut.

They were reinserted only after the murder of President Gemayel's brother, Bashir, and mainly to honor a commitment to protect Palestinian civilians from Phalangist massacre. Only gradually did the marines' political mission grow, even as their physical situation has become progressively more vulnerable.

If their mission can be given a plausible bjective and a foreseeable end, Sunday's tragic losses may be redeemable. But merely proving American mettle to the Russians is a poor reason for persisting. Helping Lebanon to achieve a frail independence is a worthy goal but not a vital American interest. The costs of that help cannot be indefinite.

- THE NEW YORK TIMES.

Just when President Reagan had thought events were taking a turn for the better in Lebanon, a terrible explosion has taken the lives of well over a hundred American Marines. A parallel blast killed a large but undetermined number of French soldiers. The shock of the event and the scale of the toll create a political force compelling a review not just of the safety of the marines but also of their basic mission and its connection to the overall American stakes in Lebanon.

It will be necessary to learn why, after the April 18 car-bomb explosion that claimed more than 60 lives at the U.S. Embassy in Beirut, steps were not taken to prevent a repeat suicide mission. Only last Wednesday, Mr. Reagan had conceded the difficulty of defending the marines in their vulnerable airport location. He is under heavy pressure now to ensure that new protective steps will suffice.

No longer can the Reagan administration contain its internal reservations about what the marines were supposed to be doing. A reluctant-from-the-start secretary of defense said on Sunday that the original mission — to give confidence to the Lebanese government and to cover the withdrawal of foreign troops from Lebanon - was still in effect. But the conditions underlying it have long since dissipated: Troop withdrawal has halted, and civil war, fed by outsiders, continues on a certain

scale. The marines find themselves in an exposed, sometimes-combat situation that was never part of their intended role.

For a power with America's responsibilities, it is inconceivable to hand the bombers victory by pulling the marines out. American influ-

ence throughout the region could collapse.

But what else? Henry Kissinger framed the issue on Sunday in terms of the local balance of power: Israel's partial withdrawal and Western "passivity," he suggested, were en-couraging radical elements; unless America was prepared to join with others (Israel was named) to redress the balance and thus provide a firmer basis for negotiation, there was no point in keeping the marines in Lebanon. But Israel has its own reasons to hang back,

Speaking on television after Mr. Kissinger, Senator Sam Nunn said that without the Israelis the United States would have to make a "massive commitment," and that, he said, would be "unwise," given that the United States is already "spread thin."

All Americans are mourning the latest dead in Beirut. It is always risky to make major new departures when emotion is running so strong. Still, the Reagan administration cannot avoid the painful questions brought to the fore by the shocking toll in Beirut - questions it had hoped events would let it avoid.

- THE WASHINGTON POST.

Other Opinion

After the Carnage in Beirut

g massacre of clite troops, who died by the hundreds without having fought. There is little risk in surmising that the perpetrators of the revolting carnage were fanatics bent on martyrdom. But the precision of the operation, the back-up organization, the choice of targets and the simultaneity of the explosions imply superiorly equipped instigators — that is, states. However demented and excessive the style

of this massacre, it was clearly a message from state to state, and the addressees know it. The message concerns the "Western solution" that the Americans - partly due to clumsiness and an inability to persuade their Israeli allies -have failed to bring about in the region. The "bold operation of patriotic forces" hailed by Libya (the only state to use that language) is clearly intended to dislodge the multinational force - which is at present one of the principal hopes of a beleaguered Lebanese state threat-

ened with partition of the country. The crime is a frightful blow to France and the United States, but their pride and good sense rule out capitulation. Lebanon would face chaos if the multinational force withdrew in an admission of bloody failure.

- Le Monde (Paris).

The West must not abandon the attempt to secure a negotiated settlement which takes account of Syrian as well as Western interests, and of the interests of the Lebanese communities. What has happened is a test of Western nerves, but more so of Western statesmanship. - The Times (London).

In the flash of one massive bomb Sunday, Lebanon has just been the scene of a stupenese] standards the U.S. losses were small. But they do not seem small to Americans. Inevitably there will be I-told-you-sos, publicly or privately voiced, some justified. The dominant voices in the Defense Department itself opposed the commitment of marines to Lebanon.

> - Henry Trewhitt in the Baltimore Sun. What can be done to prevent a recurrence of terrorist attacks? Expanding the marines' pre-rogative to open fire will not help much. The most realistic forecast is that the marines will remain in Beirut as a symbol of American stubbornness, but they will show more awareness and caution. With that, they will doubtless remain vulnerable to attacks, and the threat exists that the erosion of Western influ-

ence in Lehanon will continue. - Houretz (Tel Aviv).

Whoever stood behind this bloody act was aiming for precisely this reaction: a general, all-out and unrelenting demand to bring the troops home. But this thought must be rejected out of hand by anyone who considers the inevitable effect such a decision would have on U.S. standing and prestige, not only in this part of the world but globally.

- Magriy (Tel Aviv).

[U.S. withdrawal] would be seen as humiliation at the hands of a third-rate power like Syria. But in the long run the option of some kind of reconciliation with the Syrians, and a pullout of the Marines, cannot be written off.

— The Jerusalem Post.

FROM OUR OCT. 25 PAGES, 75 AND 50 YEARS AGO

1908: A Balkans Agenda Is Delayed CONSTANTINOPLE - The pourparlers between the Powers concerning the programme of the Balkans Conference is meeting with difficulties because Turkey hesitates to express its views, which are indispensable. It is stated that Baron Marschall von Biberstein, the German Ambassador, advises the Porte to temporize in the hope that the efforts now being made to bring about an understanding between Turkey and Austria-Hungary will be successful. Sir Gerald Lowther, the British Ambassador, on the other hand, insists that Turkey shall come to a decision. It is sure that Kamil Pasha, under the pretext that the Bairam festival prevents him from occupying himself with the question, will try to gain time.

1933: America Enters Gold Market PARIS - It matters little whether the initiative taken by President Roosevelt means the creation of an exchange equalization fund or not. The U.S. Government, through the Reconstruction Finance Program Corporation, a federal organism, is going to purchase gold against paper dollars. Several months before the abandonment of the gold standard, Europe withdrew its American deposits from New York. These withdrawals wiped out the foreign credits on the American centre, and the movements were offset by exports of American gold. The entire world has thus gambled on a fall of the dollar and on the inflation of the currency, and American exporters of capital have equally gambled on a lower rate.

INTERNATIONAL HERALD TRIBUNE

JOHN HAY WHITNEY, Chairman 1958-1982

KATHARINE GRAHAM, WILLIAM S. PALEY, ARTHUR OCHS SULZBERGER

LEE W. HUEBNER, Publisher

PHILIP M. FOISIE WALTER WELLS ROBERT K. McCABE

Executive Editor Deputy Editor Associate Editor

RENE BONDY FRANÇOIS DESMAISONS RICHARD H. MORGAN STEPHAN W. CONAWAY

Deputy Publishe Director of Curculation Director of Advertising Director of Operations

International Herald Tribune, 181 Avenue Charles de Gaulle, 92200 Neuilly-sur-Seine, France, Telephone 747-1265. Telex: 612718 (Herald). Cables Herald Paris.

Gen. Mgr. Asia: Alain Lecour, 24-34 Hennessy Rd. Hong Kong, Tel. 5-285618. Telex 61170. Managing Dir. U.K.: Robin MacKichan, 63 Long Acre, London W.C.: Tel. 836-8902. Telex 262009. S.A. au capital de 1.200.000 F. RCS Nanterre B 73:2021126. Commission Paritaire No. 34231. U.S. subscription: \$280 yearly. Second-class pastage paid at Long Island City, N.Y. 11101. © 1983, International Herald Tribune, All rights reserved.



For a Soviet-American Summit on Missiles

WASHINGTON — A summit meeting between Ronald Reagan and Yuri Andropov is urgently needed soon. If there is no early summit with positive results on arms control, the United States will face a further deterioration in its relations with the Soviet Union, and Western Europe's confidence in American

leadership will decline. The cause of these probable developments will be the deployment of new American missiles in Europe beginning on Dec. 15 - medium-range deployments justified as a response to the Soviet SS-20 buildup.
The Soviets regard the Pershing-2

as an unprecedented threat to the command and control of Soviet strategic forces, their most crucial and sensitive capability. They believe the cruise missile will add a new dimension to the arms race and significantly increase the threat from America. Mr. Andropov has warned repeatedly against these new weapons, vowing that Moscow will respond with new Soviet weapons that could threaten America in an "analogous" way.

In Western Europe, public opinion polls show that confidence in U.S. leadership is at an all-time low. In West Germany, many believe that the United States has not made a real effort to negotiate a solution to the medium-range missile issue.

Chancellor Helmut Kohl has advocated a Reagan-Andropov summit. Bonn would support an agreement along the lines of the "walk in the woods" proposal — a reduction plan devised in July 1982 by INF (intermediate-range nuclear forces) negoti-ators Paul Nitze and Yuli Kvitsinsky. It provided for limited U.S. deploy-

Foreign Policy

In an Abusive

Debate Mode

By Stephen S. Rosenfeld

WASHINGTON — Why don't we all allow

response to the downing of the South Korean

airliner? A pattern of events has belatedly come into focus that could make a difference.

Times story of Oct. 6 that went straight to the

central question of what did they know and

when did they know it. American intelligence

officials, the Times said, had reviewed all avail-

able evidence and found no indication that Sovi-

et air defense personnel knew the plane they

were firing at was a commercial airliner. This judgment was said to have gone to the White

The pieces of this story had been published

earlier, but the assembly of the pieces permitted

a clear view of a critical difference previously

fuzzed: the difference between shooting down a

plane knowing it was an airliner and shooting it

down suspecting it was a military reconnaissance

aircraft. It is not the whole difference between

guilt and exoneration, but it is the partial differ-

ence between an act reflecting unforgivable cynicism and an act of explicable hardball.

In other words, U.S. intelligence fairly early

came to a view consistent with the Soviets' claim

that they had taken the airliner for a military

RC-135, one of which had been off their coast a

few hours earlier. But American policy and opin-

charge, still not in the slightest substantiated,

that the South Korean plane was doing espio-

nage duty. Many Americans in and out of the

government have found it easier to shoot that

particular fish in a barrel than to cope squarely

with the Soviets' assertion of mistaken identity.

month-plus when American policy and public

opinion were most deeply engaged - the domi-

So at least until Oct. 6 - during the whole

One trouble was that the Soviets added the

ion have not caught up with this view.

House two weeks after the attack.

The pattern fell into place in a New York

ourselves a second look at the American

By Paul Warnke and David Linebaugh

The two leaders will be prudent if they begin

ments and significant Soviet cuts. ety of reasons. Moscow confronts The INF talks have been stalled on two issues: U.S. insistence that the warhead ceilings be global, thus limiting Soviet SS-20 deployments in Asia, and Soviet insistence that British and French forces be taken into account in calculating reductions. In his United Nations speech of

Sept. 26, President Reagan adopted a more flexible position regarding "global ceilings." The United States

is now apparently ready to accept 2 freeze on Soviet SS-20s deployed in Asia if the Soviet Union conceded INF equality in Europe. America would retain the right (but not exer-

cise it) to match the Soviets in Asia. On Aug. 26, Mr. Andropov told Pravda that the Soviet Union would "liquidate" all missiles withdrawn from Europe as the result of a reduction agreement. Up to that time, the Soviets had implied that they would simply redeploy a number of those missiles east of the Urals.

But neither side is showing any flexibility on another key matter -Soviet insistence that British and French forces be taken into account in calculating reductions. Thus, it remains for Mr. Reagan and Mr. Andropov to overcome inertia and put forward serious proposals here. Mr. Andropov may want an early

meeting with Mr. Reagan for a vari-

Dec. 15, when the new American de-

and take advantage of a strong U.S.

these missiles are already covered by ballistic missiles; Poseidon missiles carrying 400 warheads that can strike the Soviet Union are assigned to the NATO commander. Due to its long coastlines, the United States is far more vulnerable to cruise missiles launched from the sea than is the Soviet Union. Stopping Moscow from deploying such weapons has ob-

to compromise on their INF differences. ployments are due to begin. He is negotiating against the clock.

To avoid adverse developments

continuing problems of overriding

importance to its security in its rela-

tions with Eastern Enrope and China.

it needs political stability between

East and West in Europe — not a theater nuclear arms race. Yet the

Soviets face a qualitative and quanti-

tative expansion in Western theater

nuclear forces - including a quadru-

pling of British and French forces.

The critical date for Mr. Andropov is

bargaining position, the INF negotia-tions should be brought to a concinsion. The "walk in the woods" formula might be better than no agreement and an unlimited nuclear arms race. On the other hand, this formula would sanction cruise missile deployment, for which there is no military instification. The potential targets for

vious priority over deploying them.
As guidelines for negotiating an
INF agreement, Mr. Reagan and Mr. Andropov should agree to restore the overall warhead balance on mediumrange missiles that existed prior to the significant expansion of Soviet warheads that began in 1977. The Soviets would dismantle missiles carrying about 700 warheads, leaving about 300 warheads targeted on Europe and 300 targeted on Asia for a total of 600, the number deployed in 1977. British and French forces would not be taken into account in calculating these reductions, thus satisfying the Western INF position. But, from the Soviet point of view, the outcome - 300 warheads aimed at Western Europe -would be about the same as if the reductions were

based on the British and French level For its part, America would cancel the planned deployment of the 572 Pershing-2 and ground-launched cruise missiles; the substantial Soviet reductions would eliminate the rationale for these new U.S. deployments.
And both sides should agree to deal with the issue of intermediate-range aircraft in follow-on negotiations.

The two leaders will be prudent if they begin to compromise on their INF differences. They will be bold if they meet at a summit to set in motion this process of accommodation on the gravest problem of our time.

Mr. Warnke is a former director of the Arms Control and Disarmament Agency; he was President Carter's SALT negotiator. Mr. Linebaugh is a former deputy assistant director of the ACDA. They contributed this comment to The Washington Post.

@★#?!

tious in accusing us of using the Korean plane for spying. But ... " Mr. Reagan did go for-ward with the arms talks, of course. But he did so

to the accompaniment of angry, abusive cross-

cutting comments, which continue.

The Reagan administration could have used

the Times report to reposition America in public

diplomacy for the next substantive steps in pri-

vate diplomacy. Instead the State Department

chose to stay in the familiar defensive debate

mode. The United States does not and may never

know "for sure" whether the Soviets thought

KAL 007 was a civilian plane, the spokesman

After William Pfaff wrote a good column in

the International Herald Tribune of Oct. 13

criticizing the Reagan administration for not

facing up to the implications of the Times report, a U.S. Information Agency official said on Oct.

19 that the column "must delight Soviet propa-

gandists," and repeated the assertion that the

shooting was an act of "unprovoked aggression."

of the United States who can publicly talk

The Washington Post

straight about this affair?

Is there not one person in all the government

said. Anyway, they should have known.

Is Beirut A Reagan Waterloo?

By David S. Broder

WATERLOO, Iowa — The flat Iowa farmland on this fall day is done in black and gold, like the football team. The yellow of the turning leaves is reflected in the black pools of water, left by the rains that came too late to help the corn crop. Piles of pumpkins at the roadside farm stands accent the color scheme.

The car radio that provides companionship offers the standard Sunday fare. Religious broadcasts give way to the early afternoon pro foot-ball games. But there is also the news on the hour from Beirut, where the toll of Americans has risen from 85 to 120 to 135 even as the county towns disappear behind the car. And there is a chill in the autumn air that the bright sunshine cannot cure.

At the stop for a late lunch, the waitress says, "You heard what hap-pened? Our boys probably thought they were safe on a Sunday. But Sundays mean nothing to those people."

Then she voices the dread that has been there in the mind of everyone: the fear that must grip the hearts of every family with a marine in Lebanon, awaiting word whether a son, brother or husband was killed. It is an

old and all too familiar pattern. Two weeks ago, when I was in New Hampshire with presidential candi-date Walter F. Mondale, the news came that Sergeant Allen H. Soifert of Nashua had been killed by a sniper near Beirut. The shock wave roiled across the state, following Mr. Mondale from television studio to college lecture platform to radio call-in show. That brought bad memories of 1968, when every week seemed to bring news of fresh Vietnam casualties to the villages of New Hamp-shire. Each new death sent reverberations through the electorate sitting in judgment on the political fate of Lyndon B. Johnson.

How often in these past 15 years have news bulletins arrived from distant capitals to shatter the hopes and mock the strategies of American presidents! Mr. Johnson's dreams ended in Saigon. Jimmy Carter's ambitions were locked up with the hostages in Tehran. A reporter hearing last Sunday's shattering news could not help but wonder if Beautt would be Ronald Reagan's undoing.

We will not know for weeks, or even months. Even before this latest tragedy, however, the vulnerability of the marines at the Beirut airport had cansed Mr. Reagan more difficulty than any other topic at his televised press conference. On Sunday, the immediate reaction of people was to ask, with anger or anxiety, why the marines were left so exposed.

Mr. Reagan has learned, as several of his predecessors learned, that a president who puts large numbers of Americans into the midst of another country's revolution or civil war is

indeed giving hostages to fortune.

In this era nothing so tests the quality of a president's judgment or nerve as the decision whether to intervene in a Third World struggle. American forces in Vietnam, when Mr. Carter admitted the deposed shah of Iran to the United States for medical treatment, when Mr. Reagan sent the marines to help "keep the peace" in Lebanon, they probably made the most fateful decisions of

their presidencies.

Each believed that the United States had an obligation to its allies. Each of them understood that in the cold calculus of the world, a great power that refuses to exercise its power will not remain great for long. But Vietnam sensitized Americans to the limitations of American power, as no other event ever did. When lives are lost, or put in jeopardy, in some foreign land, Americans now want quickly to know if the sacrifice is really necessary, if the goal justifies the human price and if the purpose

is really attainable. When the deaths come wholesale, as they did Sunday, the questions are expressed in anguished tones. So as the Sonday drive ended here in Waterloo, and the work of political reporting began again, the name of the site seemed sadly appropriate.

The assumptions of the past look likely to fade as fast as the colors of the golden trees. Once again the world is threatening to take over an American election, and events far away make the vaunted power of the presidency as much a burden as a blessing to its possessor.

The Washington Post.

Grenada: When All Take an Island Too Seriously

nant view was that the Soviets shot down the

airliner deliberately and wittingly. From that

perception flowed any number of epithets and

condemnations, which in turn contributed to the

Soviets' further responses and, with those re-

sponses, colored the atmosphere in which the

missile talks were unfolding.

It seems to me that had the dominant view

been that the Soviets committed "only" a heart-

less paranoid act by shooting down an airliner

they thought was a spy plane, words and hearts would not have so hardened, and the resultant

Many will recall that after Israel shot down a

plane it knew to be a Libyan airliner, with 113

lives lost, the United States took it in stride as

Imagine if President Reagan, after getting the straight word in mid-September, had gone on

television to say: "We have sifted the intelligence and concluded that, contrary to our earlier suspi-

cions, the Soviets might have thought they were

shooting at one of our intelligence planes. We

think the Soviets were negligent in not identify-

ing the plane correctly, unjustified in shooting it

down without knowing what it was and tenden-

political damage would have been less.

just one of those unfortunate things.

By Jonathan Power

T/ INGSTON, Jamaica -- When a real country starts to look like a Graham Greene novel, the time has come to ask fundamental questions about what went wrong. It is clear that the group of young men and women around Maurice Bishop, the murdered prime minister in Grenada were politically out of their depth. Grenada is one of the smallest

of the Caribbean islands. It is no insult to say it is unlikely to be able to produce a political class above the parish or small-town standard. Yet there they were, complete with a Ministry of Foreign Affairs, competing embassies and Cuban airport builders, courted by Moscow, denounced by Washington, visited by a regular trail of newspaper correspondents made to feel very important indeed.

They were suddenly told they had strategic importance, sitting amid vi-tal oil tanker routes, a possible refueling stop for Cuban troops who might one day be flown to fight the good fight in a race war in South Africa.

They learned they could play the aid game. As a boy, Maurice Bishop had heard his hotel-owner father say, "What we need is a decent airport." It was a common refrain on the island. And so, when the World Bank pulled out of a long-planned big runway project meant to accommodate mainly North American tourists, he pulled in the Cubans. (Ironically, they subcontracted much of the work to an American firm.)

When the British and the Americans stopped giving aid, to punish Grenada for consorting with the Cu-bans, he went to the Canadians, the Dutch and the Scandinavians, who like to show there is such a thing as "non-imperialistic" Westerners.

It was all big stuff for a group of small island people, young, moder-ately well educated and who, rather at second hand, had experienced "black power" politics in London in the heady 1960s.

The shots fired in Grenada last week had a little in common with those that rang out at Kent State University nearly a decade and a half ago when nervous National Guardsmen lost their cool with student antiwar demonstrators. What had begun rather innocently as "protest" degenerated into a life-and-death struggle. ing a little guilty that I was adding to The difference, of course, is that a the cacophony of lopsided interest in mature democratic society has a way the island's destiny. Still, one thing of coping with such excesses. In the United States there were congressiowas clear. The people liked Mr. Bishop, by and large, and felt that his nal debates, legal and media investieconomic policies - which were hagations, means of financial compensically social democratic, for all the sation - a paraphernalia of safety Marxist rhetoric - were good and

sensible. So did the World Bank, in its 1982 report on the economy. Nevertheless there was a widespread and deeply felt urge to return to democracy — to be like the sister English-speaking Caribbean islands with their old, shared tradition of Western values, tolerant behavior and democratic institutions. Mr. Bishop and others close to him

to elections. Apparently they failed, Open feuding broke out. The revolution consumed its children. Yes, it has happened before. The sad thing this time is that it seems so

- like the also-murdered foreign

minister, Unison Whiteman - were

by some accounts trying to bring

around the others in the leadership

group to rethinking their opposition

unneccessary, so out of character with the prevalent attitudes in this part of the world. And now the situa-tion looks worse than ever, with little Grenada in danger of becoming the focus of big power attention — in-stead of being allowed to fade into obscurity while its people work to put their house in order. International Herald Tribune

LETTERS TO THE EDITOR

A South African Stride

valves that worked to help right a

wrong. In "revolutionary" Grenada

there was just this group of young

quarrel about who should have what

power, there was no one to arbitrate,

no one to challenge them. Above all,

perhaps, they had no one to say they

were taking themselves too seriously.

A year ago I was in Grenada, feel-

men and women. When they began to

Regarding "South African Interlude for Strange Bedfellows" (IHT, Oct. 13) by Helen Suzman: The writer scoffs too easily at the

proposed new constitution of South Africa. Actually, it is a giant step in the right direction. Twenty years ago a black man

could not even be served in a shop ahead of a white man. Today such petty apartheid indecencies have been removed; and although they seem so insignificant to the free Westerner, it wrung the hearts of the whites to make those changes.

Gradually, some have come to ac-

cept them. Others have not. These are

the people who still find an explana-

tion for apartheid in the Christian Bible, and they are the ones who will benefit from a no vote. Prime Minister P.W. Botha is by South African standards a very brave man. He is offering the coloreds and Indians a say in the running of the country. However small that may be,

it is better than nothing. The West should realize that for the first time since Saturday, April 6, 1652, when the first white man, Jan van Riebeeck, stepped onto the soil of the Cape of Good Hope to start a supply depot that grew into the South

African nation, a non-white will have the right to vote. How can Helen Suzman say no to that? It is only a step, but at least Mr. Botha has got South Africa walking. MARILYN TOMLINS.

On Human Inhumanity In response to "An Iranian Wonders" (Letters, Oct. 17):

I appreciate the anguish of the Iranian writer, but I cannot share his wonder at the oblivion of the world regarding the atrocities of the Khomeini regime. It is ever thus. Atrocities come and go in popular

fancy. An atrocity that becomes institutionalized loses its novelty and ceases to be newsworthy, only to be replaced by another, such is human genuity for inhumanity. Thus, Vietnamese boat people still

Letters intended for publication should be addressed to the editor and contain the writer's signature, name and address. Brief letters receive priority, and letters may be abridged. We cannot acknowledge all letters, but we value the views of the readers who submit them.

appear (and perish) on the high seas, but no longer in the news media. In the Iranian case, the establishment recklessly joined in the chorus against the shah's shortcomings, and now prefers not to look directly at the appalling spectacle that its attitude helped to bring about.

We have to be content with a few humanitarian beacons, such as the International Red Cross, shining in a pervasive darkness of inhumanity.

JOHN CRABB. Ferney-Voltaire, France.

Red Cross Discretion Regarding "The Red Cross: Dealing Quietly With a Mad World" (IHT, Oct. 15) by Jonathan Power:

This article makes a solid point when it states that much of the reason why the Red Cross gets little press coverage is "a decision by the Red Cross to operate as secretly as it can." The organization "feels it can get much further with governments if it maintains strict confidentiality."

Why, then, does Mr. Power inform us of Red Cross activities in Palestine, Iran and Afghanistan? Granted the Red Cross is "one of the organizations the world cannot afford to be without." But if it can better fulfill its objectives in strict confidentiality.

why does Mr. Power not respect its wishes, simply giving praise without going into detail about its activities? JOHN W. TOWERS. Geneva.

A Filipino Probe

The officer responsible for security at Manila International Airport, where Benigno Aquino was shot down while in the custody of military gnards, is General Fabian Var, a former driver and chief bodyguard of President Marcos and now, by virtue of martial law promotions, chief of staff. It has apparently never crossed General Var's mind to offer his resig-

nation for a gross lack of security. A month after the assassination, General Var suddenly bestirred himself and ordered an investigation. It apparently did not occur to him that he should be the one investigated for gross negligence at the very least, if not for complicity.

The three probers selected by General Var are his subordinates. They can be dismissed at any time. This lack of independence guarantees that General Var's probe will wind up as discredited as the Fernando commission of Mr. Marcos.

SILAPORN DILAMART. Bangkok.

have at 8

sictorian

the second of the Grant Mount

----THE VENT LINE ...

٤.

BANKET AND

A SINGLE I GARNE TO Y

MANUE WALL OF

de tarperen ac

Made on Aug.

12h 22.

to let wante

PARTY OF STREET -

5 mm 184 08:37 58 7 3 2

TO COMPANY THE PARTY OF THE PAR

Band) organization

Maria de la companya del companya de la companya del companya de la companya de l

Portal Land

a management

THE PART OF TAXABLE

1.5 30

And an in

AND PROPERTY.

OF THE PARTY AND

Part will be

解 劉 第5 大人。

A Long F. Marie Co.

Maria Carrier

A France

Marie Military State

The same of the same

.....

The state of the s

THE SERVICE OF

The same of the sa

Serie Marie

T. T. T. T.

= 446

工工手工程

2 = 5 Ext

2-22

The second

V L

as mach

400

ember Sætt

* - ... com

ಭವು ಸಾಕ್ಷಪ್ರವ<u>ಾ</u>

Land to Supram

TAIL MINE

The second second

.

ಇವರ ಕಡುವೇಳವು

 $V\in\mathbb{F}_{\frac{n+2n-2n}{2}}\underline{\operatorname{and}}\underline{\operatorname{and}}$

ುದ ಉಮ್ಮಡ ್ ಬಿ. ಬಿ. ಇತ್

3.00

أغناكم يتراج يترا

energy i 🚉 وتعتان الاستان A CONTRACTOR

12.00 (1.00

್ಷ ಜನಕ್ಕಬ್

يتعقب سيان 1:-- 1:55

ARTS / LEISURE

Victorian Stage for Hayes at 83

New York Times Service

YACK, New York — Helen Hayes sat on the veranda of her rambling Victorian house overlooking the Hudson River, drinking tea and recalling favorite mem-ories of this place where she has lived for more than 50 years.

"All the wonderful, famous bodies that have plunged into that pool," she said, with a sweeping gesture toward the heated swimming pool that lies at the bottom of a terraced hill "Leland Hayward. And Kate Hepburn — oh! that wonderful-looking creature. And Joan Crawford and Norma Shear-

And John Barrymore. One morning he and Hayes's husband, the playwright Charles MacArthur, who died in 1956, decided that the water wasn't cool enough for a noon dip, so they ordered two truckloads of ice and had it dumped into the pool. "They both were terribly hung over," Hayes recalled. "They sort of wobbied

Hayes, who just turned 83, has lived in the 21-room house since 1932. There is nowhere else that she almost empty house." would rather be, she says — some-thing she found out in 1963 after she briefly sold the century-old house to Herbert Ross and Nora . Kaye and then scheduled a charity auction of 993 items, many of them Victorian, that she had acquired from friends and fans over the years. She had taken an apartment in Manhattan, 30 miles (48 kilome-

Figures, Scenes for Sale At Chinatown Museum

United Press International SAN FRANCISCO - The lavish costumes, scenes and figures walking up and down Central Park from the Chinatown Wax Museum West." are for sale — including a huge dragon at half price, \$4,000 - as the museum has closed to make way for a shopping center.

Ted Smith, a former clown, bought all 115 wax figures to sell. lace curtains are topped by arched They cost about \$2,000 each when gilded crowns, and the burgundy she keeps a chandelier and three sissippi Queen from St. Louis, Mis-they were made 14 years ago in carpet is so thick that a visitor gets red velvet seats from the old Helen souri, to St. Paul, Minnesota. "You cally reduce the amount of U.S., Hong Kong Smith is acting as sales a sinking feeling while standing on Hayes Theater, which was demol- get to be a river buff and you can't Norwegian and West German muagent for costumes and props, such as a fortune cookie-making machine and slippers for bound feet.

It. Hanging in a prominent place is ished amid much bitterness in 1982 seem to break away from rivers," is they broadcast to protest the as a fortune cookie-making machine and slippers for bound feet.

Mary, who died of polio in 1949 at Marquis Hotel now going up near West to visit her son and her grand-of the Nobel Peace Prize. He said half the scenes and figures had been sold for display in museums and private homes.



Helen Hayes in the living room of her home in Nyack, New York.

room for the memorabilia. The house sale fell through "Nora said she had never lived in anything bigger than a trunk and

With a little belp from friends, Hayes began filling the place up again, and today, as she did before the auction, she lives like a queen in a Victorian dream house. According to Vera Replian, her companion for 20 years, the 993 items that were auctioned have been replaced by 1,000 others, many of them Victori-

"Oh, I'm so glad I didn't move to Manhattan," Hayes said, gazing out over the Hudson. "I would out over the Hudson. "I would have missed this river so. I was going to settle in a five-room apartment, and sometimes I think of the set would have missed this river so. I was going to settle in a five-room apartment, and sometimes I think of the set would have missed this river so. I was a golden an inspirational book called "A Gathering of Hope," to be published by the Fortress Press.

The first Thursday of every miserable, empty time I would have had, calling people for lunch and

The most dramatic room in her filled with chairs and couches cov- you." cred with pink and green floral chintz. The ceiling-to-floor white

ters) to the south, and didn't have and 15 of her ladies-in-waiting hangs on the wall, near a harpsichord that has been upended and fashioned into a display cabinet. Marx, Lillian Gish, Fred Astaire, An elegant Waterford chandelier Noel Coward, John Gielgud, Laurdown to the pool Later, as Jack didn't want to take on this great big hangs from the ceiling. Here and ence Olivier, Marlene Dietrich, Barrymore was floating amidst the house, "Hayes explained — but the there are statues and dolls of Vicice, he said he felt like a fly in a auction went on as scheduled. "As toria and other pieces of Victoriana and Alfred Lunt and Lynn Fonan old performer," she said, "I just that have been given to the actress. tanne. Hayes's Oscar as best supdidn't have the nerve to call it off. Hayes looked indignant when porting actress in the 1970 movie Afterwards I moved back into an asked if her choice of decor had "Airport" sits on the mantel. She

queen in "Victoria Regina," in including another Oscar, a Tony 1939. "Absolutely not!" she said. the Museum of the City of New We were living in this house be- York.

Hayes said her husband built a hayes said she also liked to go on bar in the basement "as a place to "little trips." She recently returned of engravings of Queen Victoria renamed in Hayes's honor.

graphed photographs of such friends as Jack Benny, Harpo anything to do with her role as the said that most of her other awards. which she starred from 1935 to and an Emmy, had been donated to

fore I got the script for Victoria Hayes, who retired from the the-Regina, and the house has always ater in 1971, said she kept busy by been Victorian." ater in 1971, said she kept busy by swimming five laps a day, tending een Victorian." Swimming five laps a day, tending Asked why she was such a fan of her 200 rosebushes, taking long the era, she replied: "It was the last walks and participating in meetings comfortable period. I think that of the board of the Helen Hayes many people love it because it was Hospital in nearby Haverstraw. A a period of security - for the fam- Roman Catholic, she recently com-

worried that her son, the actor month she attends the meeting of James MacArthur, might find the Thursday Reading Class, a house too fancy. But the first time group of Nyack women who read he visited it after her redecorating papers they have written on an an-was complete, she said, he smiled mual theme. "One year was devoted house is the living room, which is and told her: "Mother, it embraces entirely to the Hudson River, which I loved," she said.

escape from the Victoriana." There from a one-week cruise on the Mis-Mary, who died of polio in 1949 at Marquis Hotel now going up near West to visit her son and her grandthe age of 19.

Marquis Hotel now going up near West to visit her son and her grandof the Nobel Peace Prize.

Government spokesme In an adjacent parlor a collection Theater on West 44th Street was 18. She usually spends the winter at denied the reports. Walesa won the her home in Cuernavaca, Mexico. prize for his leadership of the now- high point of this jamboree. Davis, bands have long enjoyed a good

Div. Ytd. PE 100s High Low Quot. Chige

Glasgow Museum Features Art Trove

GLASGOW — A museum housing a trea-sure trove of art amassed by the Scottish shipping magnate Sir William Burrell has been opened in Pollock Park, a wooded area three miles (five kilometers) from the center of Glas-

The £20-million (\$30-million) museum's dis-plays include Egyptian pottery, Chinese porce-lain and jade, Oriental carpets, tapestries, European armor, Greek and Roman sculpture and a dazzling collection of 600 paintings, including works by Rembrandt, Cezanne and by Degas. There are also medieval stone doorways, ivones

and clocks. For almost 40 years, while Glasgow tried to find it a proper home, the collection lay in crates single-minded ruthlessness, Marks said.

"He would wait for the bottom to drop out of where to put it. Bits and pieces were occasional-

ly loaned out for exhibitions. Sir John Rothenstem, tormer unserm be would get for half the usual price. The was opened Friday by Queen Elizabeth II: the market picked up again in a few years, he would sell the ships for an extremely handsome Sir John Rothenstein, former director of the addition of his collection to Glasgow's other profit." museums and art galleries gives the city an honored place among the great art centers of Europe,

Sir William died at Hutton Castle, his home near Berwick-upon-Tweed, in 1958. He had left desperate for ships. Ten of the ships, which had the 8,000 works of art to Glasgow in 1944. They cost him about £40,000 and were almost 10 are conservatively valued at more than £100 years old, were sold to Australia for £145,000 million. The Burrell collection is one of the most each.

azzling in Europe put together by one man.

Richard Marks, the curator of the collection his castle on the Scottish-English border and dazzling in Europe put together by one man.

made the shipowner an exceptional collector were the same qualities that made him a multimillionaire.

"Very few collectors apply business methods to the art world," Marks said, "But Burrell did.

He never forgot the lessons he learned in the shipping business."
William Burrell was born in 1861, the son of a smalltime Glasgow shipowner. He joined the family business when he was 15. He bought his

first painting that year, for a few shillings that his father had given him to buy a cricket bat. He and his brother George built the business into one of the largest steamship companies based on the River Clyde. William Burrell traveled the world searching out shipping deals with

the shipping market and then, when things were really bad, and the shipyards were desperate for work, he would place an order for ships, which

Burrell made a fortune in the Boer War of 1899-1902. In 1916, halfway through World War I, he pulled off his biggest coup, selling almost his entire fleet at a huge profit in a world

and Sir William's biographer, said that what began a worldwide quest for art.

From 1911 to 1957 he spent about £20,000 a year on his collection. "It was nothing like the sums spent by American collectors suc

liam Randolph Hearst, but Burrell's collection was as good as any." Marks said. "In fact, Burrell bought a lot of medieval stonework from Hearst when the American was going bankrupt. What Burrell lacked in scholar-

ship he made up for with taste and a tremendous eye for a bargain, working through a small group of dealers whom he trusted. Among them was Alexander Reid of Glasgow, who had been a friend of the painter Vincent van Gogh." Burrell insisted that his bequest be housed

away from Glasgow's polluted air. He left £450,000 to help build a museum, but the city still expects to have trouble paying for the building and coming up with the £2.8 million or so that it will cost each year to run it.

Construction of the museum took five years. The building, made of red sandstone, Portland imestone, timber and glass, resembles a large greenhouse with a sloping roof. The north side, all glass, looks out on a wood while the south side is used for the stained-glass collection.

The interest on the money Burrell left is being used to add to the museum's holdings, even though the collection is so large that only 40 percent of the works can be displayed at once. The latest purchase was the Warwick Vase, a 12-foot (3.6-meter) carved stone vessel from the

second century A.D. The museum bought the vase, which weighs eight tons and was un-earthed near Rome 200 years ago, when it was auctioned by the Earl of Warwick.

Miles Davis in Warsaw: Jumpin' at the Jamboree

By Bryan Brumley The Associated Press

WARSAW — The American yiazz great Miles Davis blew his gold and black trumpet into a rare third encore at the close of the

25th Warsaw Jazz Jamboree. A standing-room-only crowd of 5,000 mostly young Polish jazz fans packed into the Stalin-era "Hall of Polish jazz bands. Congresses" in central Warsaw to see Davis, 57, who was given royal treatment Sunday night by the Polish Jazz Federation.

Davis and the six other musicians in his group — they generally do not do encores — warmed to the Polish crowd, which gave them repeated standing ovations, chanted "We want Miles" and sang the Polish song "May You Live 100 Years.

The jamboree opened Thursday night amid reports that state-run radio and television had been or-

Government spokesmen have part in the 1982 event.

12 Might Low Stock Div, Yid. PE 100s High Low Qual. Chape

outlawed Solidarity labor union. wearing a fringed red leather jack— The government has called the et, baggy black pants, a black felt award a ploy in the East-West conhat and dark glasses, enthralled the frontation.

But politics took a back seat at the jamboree, which featured six U.S. groups, the Norwegian saxo-phonist Jan Garbarek and the West ber along with many of the best

Polish television filmed the jamboree, though it was not clear if it would broadcast performances by

first since the declaration of mar- Polish jazz critic Tomasz Szatial law in December 1981. Last chowski wrote about Davis in the year the Polish Jazz Federation program. "Miles Davis doesn't held scaled-down "jazz maneu-have this many friends — great vers" instead of a full-blown jam-fanatics even — in any other Euro-

"The organizers wanted to avoid holding the 25th jamboree last year, since it would have signaled that everything was normal, and they might have faced a boycott by

The Miles Davis group was the and other Polish cities, and Polish

Sunday night crowd with his blend of jazz and rock.

In the corridors outside the hall German bass player Eberhard We-cords for up to 8,000 zlotys (\$83)

the Western musicians.

Polish musicians," said a Western

before the performance, young entrepreneurs sold Western jazz reapiece, along with Miles Davis la-pel pins and the official jamboree program, which hailed Davis's appearance in Warsaw as a major

milestone for Polish jazz. "Polish muscians and jazz fans This year's jamboree was the owe his music a great deal," the

pean country." Szachowski noted that Polish jazz has grown despite "difficulties that don't exist else-Jazz and other forms of Western

music have put down deep roots in Poland, and observers give the oniobserver of the Warsaw jazz scene. et official effort to curb Western Several U.S. groups, including the cultural influence little chance of Art Ensemble of Chicago, took success.

Jazz groups thrive in Warsaw

NASDAQ Index

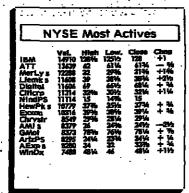
Polish jazz ensembles that played in this year's jamboree, such as the String Connection and Zbigniew Namyslowski Air Condition, regularly tour Western Europe.

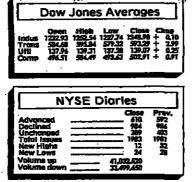
The jazz jamboree was started in 1959 and has featured such American musicians as Duke Ellington Dizzy Gillespie, Dave Brubeck Cannonball Adderley, Sarah Vaughn, Benny Goodman, Dexter Gordon, Pharaoh Saunders and Muddy Waters.

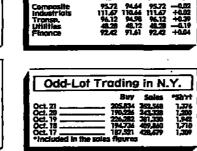
Tiny Shetland Stallion Is Sent to U.S. for Stud The Associated Press

LONDON —A pony measuring 24 inches (61 centimeters) at the shoulder has been flown to the United States to go to stud in California, according to the Sun-

day Telegraph newspaper. The pony is a mimiature Shetland worth £2,000 (\$3,000). It is believed to be the smallest pony ever exported from Britain to stud. The stallion and two mares were flown Saturday to the United States, where miniature horses sell for as much as \$100,000, the newspaper said.



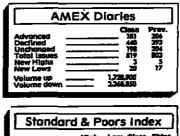


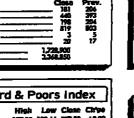


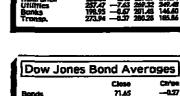
12 Month High Low Stock

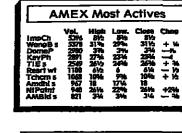
NYSE Index











AMEX Stock Index

3322 5 1 14/24/5 6 4 12/25/5 7 7 16/2 6 12/25/5 4 20/25/5 17/25/5 4 12/25/5 17/25/5 4 12/25/5 17/25/5

38/4 26/4 E GGG 36
44/4 28/4 E GY3 1.50
34 17/4 E Gaster 9.6
34/4 28/4 E GY3 1.50
34/4 17/4 E Gaster 9.6
31/4 17/4 E Gaster 9.6
31/4 17/4 E Gaster 9.6
37/4 18/4 E Gaster 9.6
37/4 18/4 E Gaster 9.6
38/4 18/4

Sis. Clase Div, Ykt. PE 100s High Low Quat, Orige 17% 7% AAR AM SS% 27% ACF LAG
28% 27% ACF LAG
28% 27% ACF LAG
28% 16% AMAR CD
28% 16% AMAR CD
28% 16% AMAR PZ.18
28% 27% ACF LAG
28% 27% ACC PC
28% 27% ACC PC
28% AMAR PZ.18
28% 27% ACC PC
28% AMAR PZ.18
28% AMAR PZ.28
28% AMAR PZ.

12 Month
High Low Stock Div. Yid. PE 100s High Low Quot. Chipe

25% 42 Chem p44.60
1314 810 Chem p44.60
1314 810 Chem p44.60
1314 810 Chem p44.60
26% 45% Chem p45.60
26%

Sis. Close Div. Yid. PE 180s High Low Quot Chage 25% 16% CnPw pr2.43
38 25% Cnf1CD 240
38 25% Cnf1CD 240
38 25% Cnf1CD 240
22% 16% Cnf1Gr pr2.45
22% 16% Cnf1Gr pr4.50
22% 16% Cnf1Gr pr4.50
25% 17% Cnf1Gr 129 (1997) 137 (1997)

The second secon المستعدد الم

3 ***

-17E-4

St. Jack

post of the second of the seco

976, 4 KDI .10c
6734, 3234, KDI .10c
6734, 3234, KDI .10c
5234, 3234, KDI .10c
525, ADI .10c
525

18% MACOM 20
18% MACA 5.88
21% MCA 5.88
21% MEI 5.36
6% MGMGr Ad
6% MGMGr Ad
6% MGMGr Ad
6% MGMGr DIN
11% MGMHO 5.80
17 MB LJ 91.431
16% MGCMII 30
22% MGCV9 4.25
16% MGGPI 16
6 MG9IC J7
20% MGINHY 54
9% MGHHY 54
5% MGHHY 55
5% MGHH 55
5% WHEN
5% VIMENVI
5% V

Monday's

(Continued from Page 7)

27/2 17/9 Hydral 1.84

31/4 1C In # 236

31/4 1C In # 236

13/4 1C In # 236

15/4 6/6 IC In # 236

15/4 6/6 IC In # 1.55

15/4 15/4 INAIn 1.92c

25/4 15/7 Idente 1.98

25/8 27/7 Idente 1.98

25/8 16/8 IPPow # 24

25/8 25/4 IPPow # 25/4

25/4 IPPOw #

ovAtel. (#) (#) (#) leader in cellular bile communications chnology.

No one knows the importance of efficient mobile telecommunications better than Canada's energy industry.

The needs of energy-related companies in Canada have spurred the development of cellular mobile communications technology there.

That's why NovAtel was created as a joint venture of Alberta Government Telephones (AGT) and NOVA, AN ALBERTA CORPORATION. AGT and NOVA have both committed their financial, technical and human resources to making NovAtel a major force in the telecommunications industry.

Using the experience gained from engineering the first commercially operating cellular mobile telephone system in North America-the first decentralized cellular system anywhere-NovAtel is sending a message to the world about Canadian

From complete cellular systems to individual mobile telephones, NovAtel custom engineers, markets and services the mobile communications equipment you need to keep your business flowing smoothly-now and in the future.



For more information, call or write:

NovAtel Communications.Ltd. Esso Plaza-East Tower, Sulte 3108 425 First Street, S.W. Calgary, Alberta, Canada T2P 3L8 403-298-0444

United States

in the Trib.

Who's in? Who's out? Keep up with the changes in the world's executive suites in

SOCIETE GENERALE SUS 50 MILLION FLOATING RATE NOTES **DUE IN 1991.**

Div. Yid, PE 100s High Law Quat Crise

For three months - October 18,83 to January 17,83 - the notes will carry an interest rate

The Interest due on January 13,84 against coupon number been computed on the actual number of days elapsed (92) divided by 360.

The principal paying agent SOCIETE GENERALE ALSACIENNE **DE BANQUE**

LUXEMBOURG BRANCH

. :---:

1 -- -: ---

(Continued on Page 18)

Herald Cribune

COMMUNICATIONS TECHNOLOGY

A SPECIAL REPORT — PART I

TUESDAY, OCTOBER 25, 1983

Part II Will Appear In Tomorrow's Editions

Page 9

SOCIETE GENERAL Stocks Slide ALSACIEME **As Investors** Get Skittish

SOCIETE GENERAL

SEG 50 MILLION FALLATING RATE MOR

By Arthur Howe

NEW YORK - These are treacherous - not to mention, tumultuous — times for computer industry

While a select few companies like International Business Machines Corp. now enjoy market supremacy and Wall Street acceptance, a burgeoning group of less fortunate firms are locked in a death struggle for profits and solvency in the fast changing market.

The current decline in computer-technology stocks follows a spectacular 10-month rally beginning in August 1982 that saw values of most issues double, and even triple. But in each case the scenario has been roughly the same — a disappointing earnings report or a brokerage house review and suddenly the fragile

investor support vanishes.

Even industry favorites like Apple Computer, which has solid earnings and market share, has failen by 63.1 percent from its year's high. Another popular company, National Semiconductor, reported a 170-fold profit increase for its most recent quarter; yet, the stock retreated 24 points. This was attributed to the fact

that investors expected even higher earnings.

"The market has reacted a lot more severely [to earnings, troubles] than it normally does," said Philip Rettew, a market specialist and assistant vice president of Merrill Lynch.

Companies like Warner Communications, maker of Atari home computer games, set the pattern for the computer-related stocks last December when prices of its shares dropped by 60 percent, from 59% to 19%, after a surprise announcement of large losses. It is now trading at about 231/2.

Then there was Texas Instruments, the Dallas-based maker of minicomputers. In mid-June the com-pany abruptly announced that lagging sales would cause it to lose \$100 million in the second quarter. Within two days the company's stock fell \$3.50 a share, reducing the total market value of its 23.7 million shares by about \$1 billion.

A more recent list of low performers: Osborne Computer. Plagued with management chaos, engineering difficulties and production delays, the once high-flying Osborne filed on Sept. 14 for protection from creditors under U.S. banking laws. A public offering was shelved.

Fortunate Systems. After going public in March and raising \$95 million amid much fanfare, this software and hardware manufacturer reported a loss of \$3 million on revenues of \$12 million for the second quarter. An even larger loss is expected for the third

• Victor Technologies. This company decided to (Continued on Following Page)



INSPECTIG THE BOARD — The electronic board, literally the flaws. A technician at the ITT subsidiary SEL's electronic board backbone oall electronic devices, must be individually inspected for manufacturing unit in Pforzueim, West Germany, checks the board.

Microcomputer Software: The 16-Bit Success Story

By Jeffrey Tarter

CAMBRIDG Massachusetts - Late in January of this year, Lotus Devopment Corp., a small software company whose presidenace made his living as a radio disc jockey on a rock'n'rostation, began shipping copies of its first program to rell outlets. The program, called 1-2-3, was remarkable chily because it integrated several functions spread-sheet alysis, data management and chart-making
that normy were available only on separate diskettes. The new ogram became an almost instant success.

Fight mohs after its introduction, microcomputer owners had bout more than 100,000 copies of 1-2-3, which retails for 95. On Oct. 10, Lotus Development's founders offered so: of their company's shares to the public. Investors paid 6 million for only 13.5 percent of the company. Not alaicrocomputer software programs do so well, of

course. What is trausnal about the Lotus program, however, is that it only operates on a new generation of so-called 16bit computers — machines that were virtually unavailable to minicomputers chomp away sedately at 16-bit chunks, and business users until late in 1981, when International Business Machines Corp. introduced its 16-bit Personal Comput-

The distinction between 16-bit microcomputers and their less powerful 8-bit predecessors (8-bit machines are still widely used, incidentally) is a technical one that few business computer users ever bother to puzzle out. Yet it is a difference that software industry experts generally agree pro-foundly transformed the microcomputer software business

store and process data, programs and screen graphics. As a Computing in Richardson, Texas, IBM was selling more rule of thumb, the more of these bits a computer can process

In the fall of 1981, however, IBM introduced its long-awaited Personal Computer — a 16-bit microcomputer. The computer industry reacted with a certain degree of skepticism; one major computer-business magazine wondered if 16-bit machines were going to become "just a new status symbol" without much practical application.

But then IBM sales began to pick up steam. Within a year, IBM had sold more than 200,000 PCs. After 18 months, Bits are the tiny electronic impulses that computers use to according to a market analyst, Portia Isaacson, of Future (Continued on Following Page)

Personal **Computers:** An Industry **Shakeout?**

By John Markoff

SAN FRANCISCO - The personal computer in-

Six months ago this was the hottest game in town but now, companies are facing the real prospect of an industry "shakeout."

At a recent conference in San Diego, California, a controversial industry analyst pronounced the dread-

ed words.
"We talk a lot about 'shakeout,' " said Portia Isaacson, a computer scientist and president of Future Computing of Richardson, Texas. "But the shakeout

sn't happening vet." "We're shook up but not shaken out yet," she said. Throughout the room, there were sighs of relief.

The recent filing for reorganization under bankruptcy laws by Osborne Computer Corp. sent shock waves through an industry that had been one of the few bright spots in the U.S. economy.

The early success of Osborne Computer, begun in

1981 by Adam Osborne, led many to believe that personal-computer makers could do no wrong.

At the 1981 West Coast Computer Fair, Mr. Os-

borne unveiled the Osborne I. Here was a portable computer, complete with software, at the unheard-of low price of \$1,795.

A little more than two years later the Osborne company was more than \$44 million in debt and seeking the shelter of the bankruptcy courts. Despite Osborne's commanding lead, competitors that made similar portables, such as Kaypro and Compaq, began cutting into the Osborne market within a year.

A lap-size computer, Tandy Corp.'s TRS-80 Model 100, selling for less than \$1,000, was introduced this spring. For Osborne, it was the death knell.
Osborne's demise makes it clear that being an

innovator is no longer enough to guarantee success in the personal computer market.

The shakeout already has happened in the home computer market with Atari and Texas Instruments experiencing recent multimillion dollar losses. But Osborne has been the first victim in the professional and business portion of the market. Other high-flyers like Victor Technologies and Fortune Systems have suffered losses recently.

An industry that was started in garages by hobbyists (Continued on Following Page)

Personal Computers: A Shakeout in the Offing?

has grown up. Names of tiny companies like Imsai, MITS and Exidy have been supplanted by names of multinational giants like International Business Machines Corp., American Telephone & Telegraph Co. and Xerox.

A number of factors have combined to alter the horizon for makers of desk-top personal computers, but clearly the most significant development has been the unrivaled success of IBM.

Given IBM's strength it is not to five or six within two years.

when IBM jumped into the personal-computer market. The company wisely decided to imitate Apple Computer by making the IBM Personal Computer an "open system." This meant that the computer giant actually went out of its way to encourage small and medium-size to develop products for the PC.

result, the PC has become the standard for the second generation of puters that use the IBM PC operating system (the operating system of new programs and documents. a computer is a software program that handles all of the system's basic housekeeping functions) can run literally thousands of software programs from business packages to educational software and games.

These computers feature 16-bit microprocessors that allow larger, more sophisticated programs and offer higher performance than did

(Continued From Preceding Page)

than 20 percent of all personal

computers in the U.S. market and

was likely to move a half million

units during 1983. In addition, oth-

er computer companies began mar-keting so-called "IBM-compatible"

machines that were designed to op-

erate with the same software pro-

grams as the IBM Personal Com-

16-bit IBM market did not go un-noticed by independent software

developers.

The growth rate of the emerging

"Last year, everyone was writing

industry analyst, Esther Dyson, of for simple, single-purpose business

Rosen Research Inc. in New York. programs, such as word processing.

By year's end, said Gerald Van and file managers. But more elabo-

Diver, who has just published a rate programs, especially those that

4,400 programs available for the than 8-bit machines have available.

IBM PC. That is still far less than The Lotus 1-2-3 program, for ex-

the 7,800 software titles that are ample, requires about 93K bytes of

computers. But, Mr. Van Diver plex word-processing programs

chensive directory of IBM integrate several functions, con-

software for the Apple," said an

'This year, it's all for the IBM PC."

PC software, there will be roughly

(Continued From Preceding Page) meant new freedoms for software give the computer an instruction developers; they can now create programs that are more accessible to those who are not specially trained or technically skilled.

> The evolution of electronic spread sheets used by business and financial planners is a good exam-

Early programs like VisiCalc from VisiCorp and SuperCale from Sorcim, were tremendously popular even though they were unwieldy and slow.

Newer software products such as inconceivable that the market MultiPlan from Microsoft and 1-2could shrink from more than 100 3 from Lotus Development Corp. personal computer manufacturers are faster, easier to use and have extensive on-line help. Additional-The change has come since 1981, ly, I-2-3 has integrated the spread sheet, data base and graphics into one package.

> Integration is the latest word in . the industry.

In January Apple Computer Inc. introduced its state-of-the-art personal computer, Lisa, which was the product of several years of resoftware and hardware companies search and development and \$50 million. Lisa features a "visual" Virtually overnight, a thriving user interface that allows more cottage industry sprung up around than one program to be displayed than one program to be displayed the IBM Personal Computer. As a on the computer's screen simultaneously in separate "windows." Windows can be moved around on personal computers. Personal com- Lisa's display and opened and closed as the operator works on

> To make Lisa easier to use, Apple designed it to appear somewhat like a traditional desk top. On the screen icons appear in the shape of file folders, pieces of paper, a calculator, clock — everything found in a traditional office, including a wastebasket.

To give Lisa, there is a "mouse" -a handheld pointing device with the first generation of personal a single button that rolls on a desk computers which were based on 8- top. Mouse movement on the desk bit microprocessors. Faster micro- translates into the movement of an processors and more memory has arrow on Lisa's screen. In order to

companies to reach that level for

the Apple. New IBM programs

have been appearing at a rate of

an obvious attraction to software

developers, but equally important

was a growing demand by micro-

computer owners for more sophis-

ticated programs. Eight-bit ma-

chines are unable to work With

more than about 65,000 characters

of data and program code in their

internal memories at one time. This

limitation rarely poses a problem

spread sheets, accounting modules

sume greater amounts of memory

available for the 8-bit Apple micro- internal memory; some more com- grams can operate smarter and

IBM's entry into the market was

the mouse is pointed at a command appearing in a menu on the screen.

Lisa has fundamentally changed the way people are asked to interact with the computers. Instead of remembering command strings and typing them at the keyboard, the user simply looks at the screen and points with the mouse.

Lisa generally has been viewed as a spectacular, but expensive, personal computer. Priced at \$10,000 when it was introduced the price has since dropped to \$8,500) Lisa has not been accepted as readily by Fortune 1000 compa-

nies as Apple had hoped.

Advertised as a "Maserati for your mind," Lisa unfortunately was introduced without software to allow it to function with the giant mainframe computers of data processing departments in large corpo-

Despite IBM's inroads into a market Apple had dominated in the past, Apple has not given up. In danger of becoming No. 2 in the personal computer business, it has nired the former president of Pepsi-Co's Pensi-Cola subsidiary, John Scully, and decided to fight the marketing war with a huge national advertising budget for a television advertising campaign. At the same time, by lowering Lisa's price, Apple has made it competitive with the IBM PC XT, a version of the IBM Personal Computer that comes equipped with a hard disk permitting storage of 10 million characters of information.

On January 18, Apple is going to remove the veil from MacIntosh, a low-cost version of Lisa.

"Mac," which may be priced as low as \$1,500, is reported to be as significant as the Ford Model T automobile: It will put computing within most everybody's reach. The idea behind Mac is to build a packaged like record albums. Elec-news.

Microcomputer Software: 16-Bit Success Story

Since 16-bit computers can han-

dle substantially greater amounts

of internal memory - 256K bytes

is increasingly a standard — pro-

grammers are able to add a variety

of new features to programs. These

features tend to make software eas-

ier to use, both in terms of technical

capabilities and "friendliness" to

"The strategy for microcomputer

software development has always been to figure out how to consume

as little memory as possible," said

Chris H. Morgan, president of Morgan Computing, a software publishing company in Dallas that

produces programs for 16-bit ma-

chines. "The advent of the popular

16-bit machines means that pro-

grams with broad consumer appeal

bilities," Mr. Morgan added, "pro-

pointed out that it has taken seven and graphics packages demand

the user.

years for independent software even more.

ly simple enough that it can be used one step farther. They have started without documentation by inexpe- a major advertising campaign that rienced users.

Mac will be a computer the size of a shoe box with a detachable stars. keyboard and a mouse pointing device. It will come with integrated software similar to Lisa's. This time Apple is making sure that outside developers have plenty of time to create software products that will be as exciting as any of the last five. be available on MacIntosh when it is first introduced.

The stakes surrounding the introduction of Mac are high. Mac has been the personal project of Steven P. Jobs, Apple Computer's cofounder and chairman. The existence of the company,

which has grown from a garage in California's so-called Silicon Valley to a Fortune 500 company in five years, clearly rides on the new Meanwhile, Apple apparently has started a stampede to the win-

of software companies are working furiously to provide the IBM PC with capabilities similar to those of Lisa and Mac. Visicorp and Microsoft, two of the largest makers of personalcomputer software, are scheduled to release special software within placed laser printers strategically months. Both companies have gotten into the hardware business as

hardware industry has begun to printers can put letters on the cus-resemble the automobile industry, tomer's personal stationery and being dominated by a few large even add the writer's signature.

companies, the parallel software business is increasingly looking like as The Source, Compuserve and

well by offering their own mice to

and the record industry. Electronic Arts, a software game company started recently by a for- offering other communications and mer Apple executive, Tripp Haw- information services ranging from kins, is publishing software that is interactive games to electronic

Among the features that make

16-bit programs easier to use, Mr.

Morgan said, are more elaborate

screen displays and graphics, fre-

quent "help" messages that provide

advice at various points in the oper-

displaying and manipulating data.

16-bit machines has also inspired

software developers to begin writ-

ing programs that perform several

functions at once, like 1-2-3. Be-

cause of the limited size of most 8-

bit programs, users had to insert a

software diskette to perform one

function (such as mathematical

separate program for translating

imerical results into graphs of

charts. If these graphs or charts

were to be incorporated into a writ-ten report or a letter, a user would

also have to switch to a word-pro-

faster, and 'user friendliness' fac- cessing program. Although the

The greater memory capacity of

software."

tors can be written right into the computer itself could perform hun-

ation of the program and more programs that link several com-

flexibile ways to change formats for monly used functions. Lotus's 1-2-

onto another diskette and load a

personal computer that is genuine- tronic Arts is taking the similarity portrays game programers as su-perstar personalities just like music

> Despite worries about a shakeout, the personal computer industry shows no signs of slowing down. For both technologies and prodncts, the next half year promises to

Coleco Industries announced last week that it began shipping its Adam system. Apple's MacIntosh and IBM's rumored Peanut home computer will be available shortly, and on the horizon AT&T is on the

verge of entering the market. Newly deregulated, AT&T is eagerly looking at providing new electronic information services and it has developed a number of powerful personal computers that will be marketed beginning early next

Recently MCI Communications dow and mouse design. A number Corp., a long-distance communica-of software companies are working tions provider that competes with AT&T, introduced MCI Mail, which permits personal-computer users to send electronic mail instantaneously anywhere in the United States. In case the receiver does not have a computer, MCI has around the country that will print a copy of the letter and automatically place it in an envelope so that it can he muted via regular mail or spe-While the personal computer cial courier. The MCI Mail laser tomer's personal stationery and

the book publishing business - Newsnet, the large data bases that can be connected to personal computers over telephone lines, are

dreds of thousands of calculations

a second, the need to swap dis-

frustration and wasted time.

kettes back and forth often led to

Software companies have been

quick to capitalize on this frustra-

tion by marketing multipurpose

3 offers spread-sheet analysis, data

management and graphics capabil-

ities on one diskette; a rival, called Context MBA, provides these fea-

tures as well as word processing

and some telecommunications ca-

pabilities. A few weeks ago, a soft-

ware publisher called Fox & Geiler

in Elmwood Park, New Jersey, un-

veiled a program it describes as "a

true management system," an inte-

package that "offers managers fi-

sional views of data previously pos-

sible only on mainframe and

Most of the new integrated pro-

grams are designed to operate on the IBM PC and its various clones,

but other 16-bit machines have begun to challenge IBM's dominance

in the advanced microcomputer marketplace. Apple Computer,

Tandy Corporation and Digital Equipment Corporation have also launched 16-bit machines in the

last year, and so have many small

manufacturers that sell to specialized kinds of business and scientific customers. Apple's 16-bit Lisa computer, for example, offers a very elaborate integrated program designed to perform virtually any data management function a man-ager might face. Though there is less software available for the

president of Data Language Corp.

in Billerica, Massachusetts, "Six-

teen-bit microcomputers aren't

that different from low-end mini-

computers in terms of the complex-

year are literally hundreds of soft-

ware firms that used to write cus-

tomized software for bigger ma-

chines, and are now going after the microcomputer market."

Mr. Alsop said that many of the

software developers who learned

programming on 8-bit machines simply aren't aware of all the

minicomputer systems."

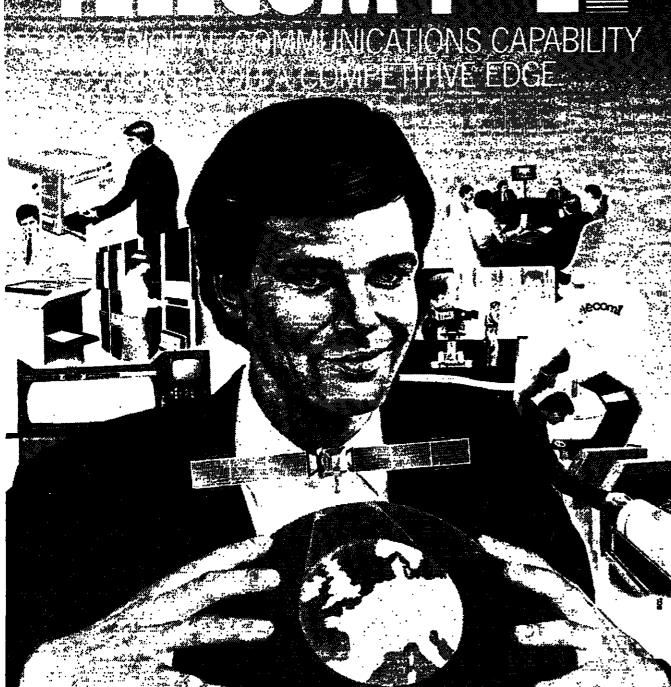
ancial control and three-dimen-

NUMBER OF PERSONAL COMPLITER LINITS SOLD AID INSTALLED IN THE UNITED STATES 1983 1982 596 1,622 359, 2,336 Science **720. 200** Education 159 TOTAL Estimated installations.
Figures include U.S. ma

NUMBER OPERSONAL COM AD INSTALLER Business

NUMBER OF PERSONAL COMPLETER UNITS SOLE AND INSTALLED OFSIDE THE CHUTED STATES 332 120 410 106 Education TOTAL: **643 1,299**

Digital transmission by satellite



M 1 25, rue des Jeimeurs T8002 PARIS - Tel.: (1) 833-51-25

machines than there is for the IBM PC, many developers see them as able to generate respectable sales. Sixteen-bit machines have also computers are able to provide complete integration of a company's attracted software developers from accounting, inventory and sales opanother segment of the industry: erations and can also generate anaminicomputer and mainframe soft-ware. According to Joseph Alsop, lyses of key ratios and trends for

"The market that has evolved in the last year or two for this kind of program," Mr. Alsop said, "is primarily in businesses that have beity of the software they can sup-port. What we have seen in the last ers into networks or have installed supermicro systems that run conventional micro software." Another application that is ideal for 16bit machines, he said, is "heavy number-crunching work, like matenal requirements planning for

Though a good many programs "simply aren't aware of all the have reached the market that draw interesting and important things a on minicomputer and mainframe more powerful computer can do." programming techniques, Mr. Al-For example, he noted that larger sop and other industry experts usually means someone has twear.

doubt that the seech available to computer users we ever be as rich as the kind of of are that is essentially an upgrate 8-bit software. "You're talking bout an enormous investment of anhours to write programs that this complex," said Richard oftin, a Washington consultant v is the author of a guide to high chnol-

ogy venture capital resour have plenty of stories about granners who locked therives in a motel room for six weekind then emerged with a completely, ware program," Mr. Loftin d. "To write a good 16-bit proge though, you'll probably end with a team of programmers on payroll for a year or two, plus a of overhead and hardware. To

nance this kind of developmen

Nevertheless, the surviving com-

panies should profit handsomely

come up with venture capital, and that your potential sales have to look pretty impressive."

For this reason, Mr. Loftin sus pects that it will be a while before software takes the next step, to 32bits. "Right now, there just area't that many microcomputer applica tions that need more than 16-bit capacity," he said. "It may happen, but first you're going to have to have enough customers to justify the development costs."

Mr. Alsop agreed — but with reservations. "If you had told me a couple of years ago that by 1983 we'd all be cranking out 16-bit microcomputer software, I'd probably have given you a good arga-ment about why you were wrong. The way the software business keeps changing, I suppose it's fair to expect at least one revolution a

Stocks Slide as Investors Become Wary

confront IBM directly in the marketplace and it found it too expensive. It lost \$11.1 billion in the second quarter, and another loss of to deliver. Manufacturing and en-\$11.1 million is expected in the third quarter. The stock is off 75 blamed. The stock has been on a percent from its 1983 high, falling protracted slide from its 52-week from \$22 to \$5.50

• WICAT Systems. The latest trading casualty, this manufacturer of 16-byte uncrocomputers, lost 45 per-analysis see as an industry in turcent of its market value days after it moil." Raymond F. Devoe, an anaannounced an unexpected \$43-mil. lyst for the Wall Street brokerage lion loss in the quarter ending in firm of Lage Mason, Wood, Walk-October. The stock is off 63 percent er, said: "What has bappened in from its 1983 high of \$18 per share.

months after this Connecticut- They are less like comets than based computer and toy manufac- shooting stars. The speculative ex- \$17.4 billion within five years.

(Continued From Preceding Page) turer shook the industry by ancesses of the first half of the year nouncing that it would begin have been decisively correct." Analysts predicted that the price collapse of computer stocks will continue as industry shakeouts reduce the personal computer field from 200 to roughly 50.

since sales of home computers high of \$65 to about \$31 in recent alone should be \$2 billion this year and should continue expanding by 50 percent anually over the next few years, according to Future Computing, a market research from in Richardson, Texas. Another research organization, Yankee Group, based in Boston, anticicomputerland suggests that many pates that total computer hardware of these (former) high fliers grossly

Coleco Industries. Four mismanaged and undercapitalized. sales should approach \$7.8 billion in the United States and grow to

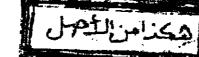
ers computers for First Boston , said: "Investors should realat even in a growth industry be casualties."

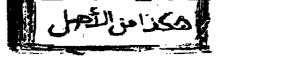
> Edelson believes that it is still rly for investors to begin pick over computer stocks that have lispsed; instead, he recom-mendanchasing companies that supplycomponents to computer ures.

"Wilyony about the computer company? Pick the suppliers who benefit matter what," he said. Several his list include Verbatim, a mefacturer of floppy disks that is fied on the American Stock Bhange; SCI System.

ned on Page 16)

And it is an Becausean elex mainles gramming tom





The ITT /xiibit at Telecom 83 is the biggest by any single company.

MAL COMPUTER UNITS AN THE UNITED STATE

SAL COMPUTER UNITS SOL

1983.

C

Ĉ.

382

THE PERSONS

AL COMPUTER UNITS SO

714"

and of P

rs Become M.

. 482.

3,841

У.

125

ALLED IN EUROPE

77

103

And it is he most engrossing. Becauseamost everything on display

is working. Which means you will see a totally integrated e ecommunications system.

It includes everything from PABX's to laser lightshows, from the last word in telex mahines to the latest thing in programming, from fiber optics to facsimile printers/

*A modernant of the IfSystem

At the heart of the exhibit is the worldbeating System 12,* ITT's unique, fully digital switching exchange.

When you visit the ITT stand, in Hall 4, please put System 12 to the test. Discover for yourself why its fully distributed processing control gives it an unmatched advantage over any competitor.

System 12 can satisfy any need, from a small rural exchange to a major local exchange or a large scale toll system. The system on display provides links between PABX's, VDU's, printers and facsimile machines, and the 120 telephone sets on the stand.

And, by means of a link to a second System 12 exchange being shown by ITT's Belgian company elsewhere in the exhibition, you can even make 'international' calls. So make a point of visiting the ITT stand.

It is, after all, setting the standard.

Setting the Standard.

European Headquarters, Avenue Louise 480, 1050 Brussels, Belgium.

Computers Aid Science, Health Research

By Amiel Kornel

PARIS - Lending their intelligence to everything from the design and manufacture of dental crowns to the visualization of the infinitesimal, computers are aiding surgeons, physicians and scientists in expanding the frontiers of health care and scientific research.

The latest applications go well beyond the so-called number crunching and data storage for which digital computers have been renowned since their invention more than 30 years ago. In addition to its rapidity in performing complicated calculations, the computer has an ability to reduce, rearrange, and reconstruct information that is proving to be an invaluable asset in science and medicine.

While many areas of scientific from Santa Cruz. research rely heavily on the use of computers, physicians and sur-geons are just beginning to discover how the quintessential 20th-century tool can help their work.

Two dental surgeons from Grenoble, France, demonstrated a computer-based system for making dental crowns recently on French television. Using the techniques of Computer Assisted Design and Computer Assisted Manufacture, or CAD-CAM, the dentists can prepare a patient's crown in one hour during a single visit, with a precision 10 times greater than that offered by conventional methods.

The procedure looks deceptively simple. An optical probe introduced into the patient's mouth generates a contoured image of the tooth and adjacent area. The computer uses the data to reconstruct a digitalized map. A program then designs a crown based on a predetermined theoretical tooth, taking into consideration the position of the patient's teeth and form of jaw. A second program directs a sophisticated milling machine to make a crown according to the blueprint created by the design

Doctors at the Hospital for Special Surgery in New York are develcoing a similar system for the manufacture of prosthetic body joints, such as artificial knees. These systems will lower medical costs. speed up surgery and ensure better quality control of prostheses, ac-

cording to their developers.

Not all medical applications are originating in hospitals or academic institutions. MediSoft, a year-old California software firm, is marketing two educational programs that may eventually evolve into clinical tools. "We use mathematical modeling systems to simulate anatomical and physiological portions of the human body," said Dr. Lari-more Cummins, president of Me-diSoft, in a telephone interview

One of the programs teaches physicians and nurses how to diagnose and treat heart ailments. After inducing a heart attack in a threedimensional graphical representa-tion of a beating heart, users prescribe the drug and therapy necessary to treat the resulting arrhythmia. "They must match the right therapy with the right diagnosis and follow the heart's re-

sponse," Dr. Cummins said. MediSoft, as well as other research groups in North America and Europe, is attempting to develop a program that will create computer models of the heart based on an analysis of electrocardiograms. Such software would permit a physician to feed a patient's electrocardiogram into a computer and get back an image of the heart, enabling the physician to quickly see

its weak areas. Another of MediSoft's programs simulates the effects of a biolaser. Surgeons use lasers to burn away human tissue and stop internal bleeding. The video simulation duplicates the effects of varying levels of radiation on different types of tissue. "It allows them to develop an intuition" for the intensity and

ailment, according to Dr. Cum-

next stage, which he qualified as "a able. futuristic perception a good way from being realized," would "build in intelligence to have the laser ad-

just itself" during actual surgery. In addition to flashes of insight and a good dose of luck, scientists have always relied on the empirical in their investigations. For experimentalists, the computer has helped satiate the hunger for information and digest the subsequent mass of data.

it plays at the European Center for Nuclear Research, or CERN, in Geneva. "The typical physics ex-that have long been at the limit of, periment nowadays is attached to a computer," said Victorio Frigo, a vestigative reach. At CERN, for computer specialist at CERN. ientists at CERN use between

200 and 250 computers to do the computation on, and analysis of, the avalanche of data their experiments produce. The machines extend in size from micro-computers located on scientists' desks to larger computers grouped in a computer center. "An experiment can sometimes generate more data than even a computer center can han-dle," said Mr. Frigo. But the computer's utility is not

limited to the experimentalist. It has provided theoreticians with a means to build and test models in minutes or hours that would once have taken months or even years to particles. elaborate and verify. "You can do things that you wouldn't do by hand," said Mr. Frigo. Its ability to logically manipulate

symbols as well as numbers enables the computer to handle the complex algebraic equations that are the distribution of the Earth's natupart of model-building and testing rai resources, for example. in most branches of physics. The

direction of the laser beam neces-sary to treat a particular tissue and some equations, even though those information offered by X-rays and He described this educational sometimes too complicated to be and ultrasonic radiography. Since application as only the first stage in tested manually. The computer has 1973 the Computerized Axial the product's development. The extended the domain of the verifi-

> launay, took 20 years to define and check a set of algebraic equations that describe the position of the moon as a function of time. In 1970, a computer performed the operation in 20 hours. Today, due

The computer has also extended The computer's place in physics the domain of the observable. Digiearch is exemplified by the role talized image processing and enhancement is offering a more precise and clearer view of phenomena that have long been at the limit of, vestigative reach. At CERN, for example, computers have recently begun to aid physicists in reconstructing holographic images of the trajectories of elementary particles, the stuff of nuclear research.

Physicists in search of a specific particle use the machines to sift through the millions of sub-atomic events generated by collisions in CERN's giant accelerator. The computer then reconstructs a twodimensional digitalized image of the trajectories, from which it generates a three-dimensional holograph. Scientists can even electronically assign colors to specific trajectories in order to aid in the detection and analysis of certain

Computer-based image enhancement similarly assists geologists and astronomers to analyze the photos of the Earth and other heavenly bodies sent back by satellites. Such images are used to identify

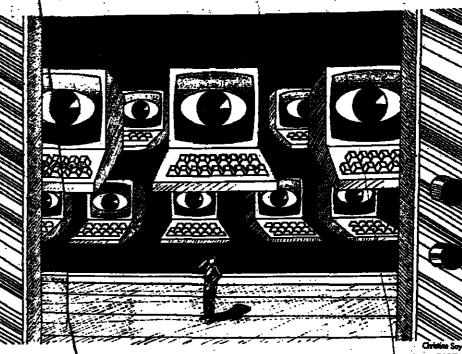
equations may be essential parts of other, newer, imaging techniques physics' theoretical backbone, are such as nuclear magnetic resonance Tomographic, or CAT, scanner has been providing doctors with views For example, a 19th-century of cross-sectional slices of the hu-French astronomer, Charles De- man body assembled from thousands of X-rays

Scientists also use computers to

monitor and adjust experimental conditions and apparatus. Computers' sensitivity, precision, flexi-bility and unlimited attention span to advances in computer technology, the time could be even further sory role. The IBM Israel Scientific Center and the Desert Research Institute of Ben Gurion University at Sde-Boger are collaborating on a project that uses a computer to control a greenhouse environment near Beersheba at the edge of the Negev Desert. The computer collects data from instruments that measure conditions such as temperature, humidity and the sun's radiation. According to a mathe-matical model with which it has been pre-programed, the computer then attempts to ensure the economical operation of the sealed

and rotatable greenhouse.
As the Israeli scientists test and revise their models, they should be able to discover the optimal growing conditions for various plants. Their findings could prove critical to the future success of desert agriculture. Scientific applications for computers will pass a new frontier later this year with the launch of Spacelab aboard the United States space shuttle. Spacelab, designed by the European Space Agency in coordination with NASA, will be a self-contained, computer-con-trolled, multidisciplinary, orbiting laboratory.

Two on-board computers will manage experiments conducted by crew members in life sciences, astronomy, earth observation, and solar physics, to name but a few.



Computing Instant Self-Acceptance?

LANSING, Michiga — Do you need a little reassurance? Do you unt to feel that you are healthy, lovable, attractic or just plain OK? Now there is a psyche-soothin computer program that offers this kind of helpfor the overweight and mderconfident.

Subliminal messages as available through Expando-Vision, the first product of Stimutech Inc., which is marketing the pullect using the slogan Straight to the Mind's Re."

The messages flash at of thirtieth of a second on a television screen countred to a home computer. That is faster than they can consciously catch them, but they are perchible to the subcon-

"I like my body," "I exercis daily," "My body is healthy," they tell people who am to lose weight. "I'm OK."

For boosting sexual confidence, there is "I see me lovable," "I see me desirable "I'm attractive" and "I'm OK."

"They are all positive and yohave to subconsciously want to respond," said r. Wallace La-Benne, an Ann Arbor psychothapist, professor of educational psychology at Petern Michigan University and chairman of a bod of scientists that developed the Expando-Vish messages.

"Very few people question whether it works," said Michael Erb, Stimmtech vice president for marketing. "The two questions we releive most are. Is it legal?" and "When can I get one?" Because the messages are not brosicast but rather are supplied by a \$39.95 cartridge through an \$89.95 device plugged in between a home computer keyboard and a television, Expando-Vision does not violate Federal Communications Commission regulations banning subliminal nessages, Mr. Erb said. The device will be available by mail order starting Oct. 17. Seventy-five Michigan resi-

dents have been testing it.

"There are an awful lot of people out there who want to change their behavior in some why," he added. "With no advertising yet except ward of mouth, already we have more than 100 check-in-hand orders. We've had people tell us they went out and bought a microcomputer just so the can

One of the testers is Karen Pawlovich, an analyst for the state's Department of Management and

"I work in government so I never say anything is absolute," Ms. Pawlovich said. "But I believe he concept is excellent. There's high potential gin and low risk, so I said, 'Go for it.' I think they nice messages... particularly, Tm OK.'"

Taiwan Develops High-Tech Industry

By Donald H. Shapiro TAIPEI — A specialized industrial park, opened three years ago on a broad plateau 70 kilometers (43.4 miles) south of Taipei, is serving as the linchpin in Taiwan's drive to develop technology-inten-

Irving T. Ho, director of the Hsinchu science-based industrial park, said: "Today's Silicon Valley in California grew out of the Stan-ford Industrial Park set up decades ago by Stanford University. The Hsinchu Science Park aims to play the same role in creating a second.

Silicon Valley here in Taiwan." The park was established by the Council, where Mr. Ho, a former IBM engineer, concurrently serves as vice chairman. The companies operating at Hsinchu, whether locally or foreign-invested, are all private enterprises. But they are eligible for special government incentives. These include tax benefits as well as financial support, in the form of either loans or minority investment, from government

Currently 34 companies are op-erating in the 5,000-acre (2,000hectare) park, and 16 more are preparing for start-up. By the mid-

to be in operation within the park and numerous spin-offs to be emerging in the vicinity.

To be approved for inclusion in the science park, investment projects must be nonpolluting and involve a high engineering content. Among the industries considered the most welcome are information (including computer hardware and software), sophisticated electronics, precision instruments and machinery and material science. The largest operation in the park

is a wholly owned subsidiary of the Qume Corp. of the United States, itself a subsidiary of ITT. After manufacturing for a year in temporary facilities - a converted warehouse — Qume in Taiwan last month opened its own plant occupying 145,000 square feet (28,000 square meters). Its sales of computer disk drives and printers are expected to exceed \$40 million this

venture of six local firms that put up a total of \$21 million in invest-

sored electronics research institute, UMC has been able to produce quality telephone, melody and watch chips at a high yield. Most of the components are ultimately exported, but only after assembly by UMC customers into finished

> clude a Wang computer subsidiary, making computer peripherals, and such entrepreneurial local firms as Multitech Industrial, makers of Microprofessor microcomputers, Mitac International, (microcomputer design and manufacture, and tween industry and nearby research Microtek International, which and academic institutions. The manufactures testing equipment park was purposely located near and numerical control devices. Mi- two technically oriented national crotek, whose founders include three Taiwan-born engineers who had been working for Xerox in the United States, is a prized example of "reverse brain drain."

Other Hsinchu park successes in-

Mr. Ho cites several advantages Close behind Qume in sales val-ue is United Microelectronics ogy manufacturers. First is the Corp., a manufacturer of integrat- availability of competent but inexed circuit chips. UMC is a joint pensive engineering talent. "Our venture of six local firms that put earlier stage of economic development was based on our cheap lament. With ultramodern imported bor," he said. "Now our labor in equipment and technical support general is no longer a bargain, com-

pared to lesser-developed countries, but our strong educational system has produced a lot of engineers and technicians — and their existing technology or adapting it take-home pay is only a quarter to to the special needs of specific cusone-third that of their counterparts tomers. in the United States."

A second advantage is the existence of a multitude of support industries, such as producers of electronics components, motors and plastic casing. This ease of supply also helps to cut costs. In addition, the Hsinchu park

emulates the Stanford example in forging a close relationship between industry and nearby research universities and a group of government-supported research institutes. Industry in the park may engage professors at the universities as consultants or request the institutes' help with specific research

Research and development is also a prime in-house function for most of the companies in the park. The ratio of technical personnel to total employees is 39 percent. Yet, because of the small size of most of the firms and their limited budgets, it is doubtful that they will be pioworld technology. Instead, their forte is likely to be improving on

Taiwan's development of hightechnology industry is not confined to the park. Manufacturers elsewhere on the island have also been moving into higher-technology sectors, with emphasis on microcomputers and computer components. peripherals (such as terminals, disk drives and printers) and software. Taiwan's large TV manufacturers for instance, are shifting an increasing portion of production capacity to computer monitors and

Production of telecommunications equipment and its components is expected to receive a boost from a recently announced \$40million joint venture between American Telephone & Telegraph Co. and Taiwan's Directorate General of Telecommunications to produce digital switching equipment for both the local market and export. AT&T has also agreed to provide technology transfer through its Bell Laboratories.

Of the more than \$3.5 billion worth of electronics exported an- ers, peripherals and software.



Gavilan's portable computer with integrated touch panel for quick learning.

nually by Taiwan, the high-technology sector currently accounts for only a small portion. But it is the fastest growing. In the first six months of this year, exports of computer-related products reached \$96 million, compared with \$25.5 million in the corresponding period of the year before. The United States is the principal export mar-

According to a study by Arthur D. Little, by 1989 Taiwan can expect to claim 2 percent of the \$230billion world market for comput-

Compact Computers:

PAIS - The computer inchstry is cased for the arrival of the latestympact model, the Gavilan, which any believe could set new standas for portable computers.
Whe the Gavilan, manufac-

size on thonarket. Its design also will enablusers to add a larger memory to system. The Gavilan

software wit sophisticated hardware such asks microfloppy disk
with the last menory," said
George Mood product manager
of Gavilan. "Vanticinate keeping
up with the groth and behnological changes in a markt."

Mr. Moore 4d the Javilan is
expected to appli to "the class of
mobile professials; the individuals with multip desks.

The computer has firsthorm in

The computer as firsthown in May at the Napaal computer Conference in Cafornia; Europeans saw it this moth in Pais at the Salon Internation d'Informatique Tallematique Tallem

At 11.4 inches source (29 milimeters) and 3 inche thick it is slightly larger than preable computers manufacture by lindy. Corp. and Epson, preently the smallest and most popular. Neer-theless, within the largery than

The first portable computer as SCAMP, invented 10 year ago y Paul Friedl of the Palo Ao III

10 years. A recent industry report published by Infocorp, a California-based market research firm, projects that demand for mobile computers will grow nearly 1,000

"Just as calculators have now become indispensable, we will find that what I call kneecap computers will become indispensable to businessmen who want to work at home and during business traveling," said Seymour Merrin, president of Computerworks, a computer store in Westport, Connecticut. "In five

Portable computers allow people

loading dock, then transmit the to the company's main compute For the past few years, people needing immediate, daily access of words and numbers have been u

Citicorp, for instance, recently gave executives in its international division IBM Personal Computers take with them all over the world However, the large persona computers have to be packed in boxes to be taken on trips.

The industry generally classifies will go on le in Europe in early mobile computers in three categories based on size and computing

• Hand-held computers, in essence calculators capable of complex mathematics. Powered by batteries, they are about 7x3 inches in size, have a calculator-style keyboard and can display one to four lines of text on a Liquid Crystal Display like those used in digital watches. Most have memories of

about 2 kilobytes. Portables, which are more functional than hand-held computers and more mobile than desk-top computers. They are small enough to fit in a briefcase, have a full-size typewriter-style keyboard and can display four to eight lines of type on a Liquid Crystal Display. Power is provided by internal batteries. Their memories can approach 512 kilobytes. They have programs for storing addresses and appointments, storing and editing up to 40 pages of text and performing the same mathematical calculations as hand-held computers.

 Transportable computers, which have small television-style screens and full-size typewriter-style keyboards and weigh about 18 pounds (8 kilograms). These computers perform the functions of any medium-size office computer. They are powered by electricity and are generally too combersome for use on a train or airplane. However,

was followed this year by the Exec-Growth in the market for all pentive. Despite the success of its table computers is expected to sitial product, the company has as phenomenal as it has been figure victim to competition. On then victim to competition. On pocket calculators during the las pt. 14 of this year, Osborne filed reorganization under Chapter lof U.S. bankruptcy laws. be Osborne I's success induced

No companies to manufacture Oables. Some improved slightly r c Osborne design and market-ore aggressively. Other com-put constructed portable ver-sits of successful nonportable conters. For example, Compassion of the computer is a portable version of the computer. Attingh Compaq has been on the market for a little more thata ar it is aiready selling as wells ith the Osborne I and the

In isl months, the Computer-work to in Connecticut has sold 400 dengs. Mr. Merrin, who chose Seanly the Compag, said, "At the prent time, from what I have a sea the control of the contro have sen, is the only model of quality!

Mr. hardness sold the Compag to business ecutives who are ar-tracted libecause, like most portable smiters, it can be used

(Commuton Page 16)

Battle Lines Are Drawn Over 2 New Disks

Floppy disks are the most popular means of information storage for

stand-alone personal computers, in the office and at home. They are

sold as part of systems already installed in a computer's chassis.

By Mark Schreiber

TOKYO - Even as the computer industry's 8mch (20.5-centimeter) standard for floppy disks is fast being replaced by the 54-inch "diskette," disk-drive manufacturers in Japan are busy pushing two rival formats destined to become the next generation of memory-storage devices. With exterior shells of hard plastic, they resem-

ble thin versions of music cassettes. The most advanced versions can hold more than one million and with technological improvements, they are expected to be least double that figure in the next three to five years. Floppy disks are the most popular means of information storage for stand-alone personal com-

puters, in the office and at home. They are sold as

part of systems already installed in a computer's chassis. They are also enjoying brisk sales separately, especially for hobbyists upgrading the per-formance of home personal computers. The growth in desktop and portable computers has been accompanied by a spectacular rise in demand for the 54-inch floppy disk drive. Owners of personal computers, the mainstay of the smaller floppy market, account for nearly half of all users. The larger 8-inch format, which held more than half the market in 1981, is expected to shrink to around 40 percent by the end of 1984 and continue

to decline thereafter. With the spurt in the 54-inch drive sales has come a large jump in the number of original equipment manufacturers, known as OEMs, with such firms as Teac, a company known for its audio equipment, joining the ranks of Alps, Canon, Epson, Toshiba and others. These drives are supplied to customers for prices as low as \$100 in quantity purchases. Stand-alone disk drives, designed to work with well-known U.S. personal-computer models such as the Apple II, are also selling well, with importers able to undersell that brand's own

disk drive unit by several hundred dollars. Currently it appears that only two micro floppy formats are in the running. Sony first announced its 3.5-inch format in December 1980; details of the rival 3-inch compact disk, jointly developed by Hitachi and Matsushita, were made public about

one year later. Size of the disks differ only slightly. The hard plastic shells, common to both 3-inch and 3.5-inch disks, were designed to prevent mishandling, one of the main reasons for disk failures. While the hard shell will not eliminate this entirely, it does afford better protection than the flexible

They are also enjoying brisk sales separately, especially for hobbyists upgrading the performance of home personal computers. paper shell used for conventional 8-inch and 51/4-

section where the magnetic heads make contact with the rapidly spinning disk. This prevents dirt from entering or soiling the surface by accidental Drawbacks of the 3-inch disk are said to be its significantly smaller disk area — 2.76 square inches as opposed to 4.1 square inches for the 3.5-inch

Another innovation is a cover for the "slot," the

disk. Both formats can be produced for compatibility with 5-1/4-inch software. Disk speed is 300 revolutions per minute for the

3-inch, 600 rpm for the 3.5-inch disks. An engineer at Sony's Atsugi factory in Kanagawa, Japan, where the 3.5-inch drives are being produced, remarked that "it's just a matter of time until we'll be seeing entire new systems built around the micro floppy drive." Following on the heels of Sony's own personal computer model was Sord, which introduced one of the first portables using the 3.5-inch floppy drive.

Overseas, Hewlett-Packard became the first major U.S. buyer of the Sony format. In Europe, Computer Devices launched its DOT computer last november. This portable model uses the 3.5inch format and is compatible with the IBM Personal Computer. Tandon, a major U.S. drive manufacturer, also elected to go along with the 3.5-

There was a general sigh of relief here when IBM announced its decision in September to withdraw its own 4-inch format

Given the dynamics of today's computer market, can the two leading micro systems coexist? Some think a winner and loser must emerge from the fray, and if the 8-inch and 54-inch floppy disks are examples, this would be true. Many in the industry feel that format struggles can only be detrimental to consumer confidence.

One problem is that Japanese manufacturers have always readily accepted a standard when imposed upon them from a large overseas market such as the United States. But they are less willing to back down before domestic rivals.

However the battle lines have been drawn between some formidable opponents, and should the outcome become a matter of loss of "face," neither side may be willing to give in.

A front-page story in the Tokyo newspaper Dempa Shimbun on Oct. 11 reported that Apple had concluded a contract with Sony to use the 3.5inch micro floppy drive in forthcoming models. The article also stated that IBM, Fujitsu, NEC and other major computer firms were favoring the 3.5inch design. Nevertheless the article concluded that the rival 3-inch format still had enough backers to retain a hold on the marketplace. An official in Japan's Ministry of International Trade and Industry, referring to the videocassette recorder market, was quoted as saying, "It might be too late to avoid the same kind of two-format situation that

has developed with VCRs." Few of the majors have come to a public decision regarding either of the micro floppy formats for use in their personal computer models.

An annual electronics show in Japan, which opened October 6, saw more than a dozen manufacturers displaying models of the two disk formats, either as integral parts of their personalcomputer models or as separate drives.

Computer models incorporating the 3-inch compact disk format included three models from Hitachi. Sharp's X1D personal computer incorporated a 3-inch disk with a capacity of 320 kilobytes, adequate for running such business oriented programs as CP/M, one of the most widely used 8-bit

micro computer software formats. A second 3-inch disk drive, installed as an option in the Sharp computer, retails for around \$250. Sharp's PC-5000, a portable computer and printer system weighing a little more than four kilograms (less than two pounds), uses a 128 kilo-

byte magnetic bubble memory but is also designed to interface with an optional 3-inch compact flop-Sony's newest personal-computer model fea-tured a 3.5-inch drive with a capacity of 280 kilobytes, with a second drive available for \$225. (Cassette recorders, still used for program loading and storage on budget computer models, retail for

Another firm favoring the 3.5-inch Sony format is Sanyo, which expects to have drive models on the market by next summer.

Matsushita, which developed the 3-inch format with Hitachi, had no consumer versions on display, but had several OEM models, including a double-density version with 500 kilobytes' capaci-

A spokesman at Epson said that company would

begin 3.5-inch drive sales, possibly within this year but no later than next spring. He added that Epsom would be on the market with a doublesided 3.5-inch version before Sony.

Alps, a major OEM manufacturer of electronic components, displayed prototypes of both 3- and 3.5-inch formats, but has made the decision to go

with the 3.5-inch format first. A spokesman report-

ed that the company would be ready to begin shipments as soon as January of next year. Canon meanwhile displayed prototypes of both formats but had no comment on marketing plans. Use of such innovations as direct-drive mechanisms, layered circuit boards and smaller motors has reduced dimensions and weight of 5¼-inch drives now considerably. Some of the most com-

pact are now barely 1.2 inches high, with a storage

capacity of one megabyte. The proponents of the new generation of micro floppy disks however argue that their format, still in its infancy, promises plenty of room to grow. In March of this year Sony announced the development of a recording method that employs a new type of perpendicular magnetic recording with a W-shaped single pole head. If realized, this would give the new medium a storage capacity of four megabytes — as much as many of the so-called "hard" disks now in use for office systems.

One in Every Briefcase?

Ronald Eric Wimer

tured bravilan Computer Corporation | Campbell, California goes off lie in December in the United Stes, it will be the most powerful brable computer of its

We codine stale of the art power: software wi sophisticated hard-

que, Telématique, binimication, Organisation de Brean et irreau-tique. At both ever, the tavilan drew praise that wild mab IBM

theless, within the dustry, the Gavilan is considere a brak-through; it is the smaller portale with a 16K-byte michoroccor and built-in disk drive.

Scientific Center. However 18; on a train or airplane. However, decided not to begin produlion; transportables have specially deits prototype. The market hamn; signed packages that allow them to now been supplied largely it O; be taken easily from one location toborne, which makes two celebrater another. Adam Osborne's Osborne I was ceeding 100 kilobytes and Equit the first computer that could be made and Tandy, who make smaller to normal attacher case. That model

percent in five years, from 527,000 units in 1982 (valued at \$372 million) to 5.1 million units in 1987 (valued at \$3.1 billion).

years time there will be a portable computer like the Gavilan in every businessman's briefcase."

in business to make complex calculations or edit reports outside the office. Traveling journalists can write stories on their computers while flying from city to city, sending copies to their editors by telephone. Shipping managers can re-

cord deliveries electronically at

Africa, Asia, 🗱 ing personal desk-top compute Technolo extending its developing ne earich our pro

product familie The mode bevoive the **c** of rapid obsole speak of their ers' investmen

ordered thous

inserve the eq

ines. No other success and ex

supplier of full

nhone compat (anada, AT&T

carri

industries. edit

janks and other

mall, and gov

Northern

of technology. largets for our These are

OMOTTOW, SVA kitte in el switches kitte te twerk. N Egg V. Frank Syste Service of the Service Visit 2.2. The Sittle The second of TE SE CONTRIENT a design Burg a Compare to

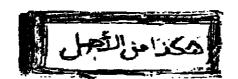
were was worthe State of an inst the case to or feature Territor North San Sully I New 197 deres diana menung and The state of the s

DMS-1 The Digital Multiplex S TECHORE COM Dis 3 sereup to The Time les seration to Espera surscribers Sen de The in the DAS in an inephanel

Districted handle the en recounty Me and the state of he short on Real Property Charles believe a estimate co dent and assisted in district Service Ed remain a second to the Gentler Sweet Test Day Milding with 180 544

AND ST RESEARCH

Merchine Commenties and Elephone Companies ac Central and in smellar







- : -- = 5 === ----TOTAL STATE: Territ a de la compania de l Compania de la compa

Section 1 **统 4 197**4 and the same GREET : 1 المعالم المراجع المراجع

a market

- 25 C. C. a second

*** المدارية فهوسي Sand Street

AND TOWNS OF Sept of the late o all is garage Marie and

an name Mary 10 control in the control in th Augustia Tentra

grade title in

謝れいたが7 5 海 マンマンマン 声,无效 计标识

art so A STATE OF THE STA

5.4 2 36 W த்தும் கொரி

Friedly . east 1



1 -- Magair tomorrow, available from Northern Telecom today: مفلوست بالأراران : 1700 Add Central office switches route telephone calls 2 32

> ticated, high-capacity systems needed for as many as 100,000 telephone lines in cities. The flexible design, dispersed processing, and remote modules that can be located away from the central switch, make it easy to expand an installed DMS switch as

> within the network. Northern Telecom's DMS

(Digital Multiplex Systems) Family comprises

switches that can economically handle from

a few dozen lines in a rural area to the sophis-

new capacity or features are required. The first of Northern Telecom's computer-controlled, fully digital DMS switches were introduced in 1977. That's seven years of experience in developing, evolving, producing, installing, and servicing these sophisticated, compact, reliable, and cost-effective

The Digital Multiplex Systems most widely used by telephone companies in rural areas. DMS-1 can serve up to 256 lines over just four pairs of wires. There are currently 2,000 DMS-Is in operation to provide thousands of telephone subscribers with economic. improved service. The DMS-IA, and a new system called the DMS-1 Urban, can handle 512 and 544 telephone lines, respectively.

DMS-10

DMS-10 can handle the needs of smaller communities requiring service for up to 8,000 telephone lines. The DMS-10M is a specially designed, compact version housed in a mobile cabinet on wheels. The packaged design virtually eliminates the need for engineering by telephone companies, permitting rapid and unassisted installation. DMS-10 also features Remote Equipment Modules to extend economically the capabilities of the central switch to surrounding areas.

More than 700 DMS-10s are in-service, including some 140 switches for 20 of AT&T's operating companies, and hundreds of other telephone companies across the U.S. and Canada, and in several other countries.

The DMS-100 Family

The flexibility of Northern Telecom's modular hardware and software architectures has enabled the corporation to modify its large digital switches to serve all the different roles in the telecommunications network, and to meet the special requirements of particular customer groups, new markets, or countries.

For example, Northern Telecom has licensed its DMS-100 Family technology to two Austrian manufacturers to develop switching systems for that country. The corporation also licensed this technology to a Turkish manufacturer to produce DMS switches for Turkey's PTT. Northern Telecom has developed special features required by the U.S. military, the specialized and resale common carrier industry, and for cellular mobile radio-telephone system operators. There are now some 550 DMS-100 Family switches in-service or on order.

Reflecting the quality, reliability, and availability of Northern Telecom's DMS, AT&T's telephone operating companies have become major customers for these systems. AT&T has recommended the DMS-1, DMS-10, DMS-100, DMS-200, and DMS-100/200 for use and has signed supply contracts with Northern Telecom. These contracts will be transferred to the operating companies when they are divested in 1984.

The DMS-100 Family of switches, when first introduced in 1979, offered about 300 features. Today, as new capabilities and members of the family have been added, the list of features is more than 1,000. And the total continues to grow while other manufacturers are still introducing their basic systems.

DMS-100 can meet the needs of larger communities and cities needing a big switch for local calling. DMS-100 can serve up to 100,000 telephone lines and, with its Remote Line Modules, can economically provide service to smaller communities in surrounding

DMS-200 is a toll switch that can handle 60,000 trunks (long-distance) circuits.

The Future

The future of telecommunications rides on the promise of digital technology.

For the past century, virtually all communicationsvoice, data, graphics, image-was based on analog technology. The transmission and routing of all information was done in the form of electrical waves in varying amplitude and frequency.

In the 1960s, the introduction of computers to telecommunications networks increased the efficiency, flexibility, and capability of communications systems. But this was only an indication of the coming revolution.

Northern Telecom set off the revolution with an

announcement in 1976. Applying its expertise in the key

Northern Telecom became the first corporation to commit

technologies of microelectronics and software.

to the introduction of a complete family of fully digital switching and transmission telecommunications systems.

That commitment brought about the effective merger of the telecommunications and computer industries. Since then, every major telecommunications manufacturer in the world has followed Northern Telecom's announcement with their own. And, today, they continue to follow Northern Telecom's

Northern Telecom's worldwide digital leadership is based on its commitment to research and development. The corporation annually spends more than nine percent of its revenues on R&D and has invested more than one billion dollars in R&D over the past decade.

Northern Telecom promised that our future would be a Digital World*. In fact...

and The Present.

It is delivering the future today with the broadest and most proven line of <u>fully</u> digital systems of any company in the world. Since the introduction of its first fully digital switch in 1975, organizations in 50 countries have put in service or ordered thousands of Northern Telecom's DMS or SL systems to serve the equivalent of more than 14 million telephone lines. No other company can match this record of global success and experience as a developer, manufacturer, and supplier of fully digital telecommunications systems.

Northern Telecom's customers include all major telephone companies across North America, including Bell Canada, AT&T and its operating companies, the specialized common carriers, the U.S. military, the health and hospitality industries, educational institutions, governments at all levels, banks and other financial organizations, businesses large and small, and government PTTs in Europe, the Middle East, Africa, Asia, the Caribbean, and Latin America.

Technology does not stand still. Northern Telecom is extending its leadership in digital telecommunications by developing new integrated circuits and software to evolve and enrich our proven systems. And we keep expanding our duct families to serve our mistamers

The modularity of our hardware and software enables us to evolve the capabilities of our systems. We avoid the potential of rapid obsolescence that has caused other companies to speak of their product "generations". We protect our customers' investments by evolving their systems with the progress of technology. By this, we set new performance standards as targets for our competitors to strive for.

These are the digital telecommunications products of

bining local and toll capabilities.

DMS-100/200 is a large switch com-

DMS-100 Scope Dial was developed to meet the special needs of the U.S. Air Force which chose Northern Telecom's switching for its Scope Dial program to modernize telecommunications on its bases around the world. DMS-100's very-large capacity, proven reliability, advanced digital switching architecture, and potential for significantly reducing telecommunications costs, meets the rigorous requirements of the U.S. military's upgraded Automatic Voice Network (Autovon) and the global military network for telephone service.

DMS-100 Scope Dial switches are now installed at the Vandenberg base in California; Osan, Korea; Wright Patterson, Ohio; Eielson, Alaska, Hill, Utah, and four more are on order or are being installed.

DMS-200 Autovon is a special configuration of Northern Telecom's toll switch to meet the demands of the U.S. Department of Defense, military departments, and other users in the Autovon military global communications network. Five DMS-200 Autovons have been installed in the U.S.

DMS-250 was developed for specialized and resale common carrier companies in the U.S. such as Satellite Business Systems and MCI Communications. It enables these companies to benefit from, and to offer their customers the benefits of, the Digital World.

DMS-300 is an example of Northern Telecom's experience in designing systems for international telecommunications. This large gateway switching system connects a country's telephone networks to the international telecommunications grid. DMS-300 is currently being used by Teleglobe Canada.

DMS MTX is the newest member of Northern Telecom's DMS Family. The DMS MTX (Mobile Telephone Exchange), introduced in 1983, is a part of the cellular mobile radio-telephone system being offered by Northern Telecom working with the General Electric Company in the U.S. As an example of the flexibility of DMS, customers who have already installed DMS-100. DMS-200, or SL-100 (large PBX) switches can add the cellular mobile radio-telephone capabilities to their existing systems.

TOPS* (Traffic Operator Position System) is a fully integrated, automated system for telephone operators that provides them with privacy, comfort, and ease of operation, and offers the telephone company considerable efficiencies and cost savings.

MAP* (Maintenance and Administration Position) is a unique capability offered as an integral part of the DMS-100 Family, comprising an intelligent terminal for use in communicating with the switch to analyze and diagnose its performance. MAP can examine the system from an entire frame to a portion of a telephone line card.

SL* Family

Northern Telecom's SL Family of digital business communications systems can meet the needs of organizations for 30 to 30,000 telephone lines. The corporation was the first to introduce integrated voice and data handling capability and has become the leading international supplier of digital PBXs and data packet switching systems.

The SL Family will serve as network controllers for voice, data, and other forms of information in Northern Telecom's OPEN (Open Protocol Enhanced Networks) World*, a program announced in late 1982 to provide new digital systems, features, and terminals for efficient information management systems. OPEN World will enable Northern Telecom's switching systems to

connect the corporation's digital networks and terminals with networks and devices produced by other vendors, giving organizations the freedom to choose diverse systems that will most effectively meet their requirements for information handling.

Northern Telecom's SL-1 PBXs can handle integrated voice and data requirements for small organizations needing as few as 30 telephone lines, to large businesses with up to 5,000 lines. The corporation is investing tens of millions of dollars annually to evolve and enhance the technology and capabilities

SL-1s are on order or in-service to handle 2.6 million telephone lines in 45 countries. Manufacturers in the United Kingdom, Sweden, Italy, and Korea have received licenses to manufacture and market SL-1.

Larger organizations can benefit from Northern Telecom's advanced digital business communications systems technology by installing an SL-100. SL-100 can serve up to 30,000 telephone lines, making it the largest digital PBX available today. This PBX is based on Northern Telecom's proven DMS-100 system.

Northern Telecom's Electronic Switched Network (ESN), using SL-1 or SL-100, can link these PBXs and those of other manufacturers in sophisticated, cost-effective networks of 2 to 100 locations across the street or across a

continent. ESN's Communications Management Center (CMC) provides management with centralized control of its telecommunications network. CMC constantly records and analyzes telephone traffic, permitting changes to be made to the network as required. CMC's management features include user-billing and network-directory capability.

Other features, such as least-cost routing, can substantially reduce network costs by automatically finding the least expensive route for every call.

The SL-10 bundles data in packets and digitally addresses and transmits the information at high speed with other users' data also bundled in packets. For most users, the elimination of the need for dedicated lines and charges only for transmission time used, can mean substantial savings.

SL-10 supports communications interfaces and protocols from many computer systems so that different machines in the network can communicate with one another. SL-10 networks are designed to grow as the need for data connections and traffic accelerate.

SL-10 forms the backbone of the Canadían Datapac and West German Datex-P networks. In the U.S., the Federal Reserve System uses an SL-10 network to handle funds transfers of more than \$100 trillion per year. Other SL-10 users in the U.S. are Bankers Trust Company and Contel Network Inc. Internationally, SL-10s have been chosen for installations in the U.K., Hong Kong, Switzerland, Portugal, the Republic of Ireland, Belgium, and Austria.

Transmission Systems

Digital transmission systems are the threads which bind the Digital World. Transmission systems carry information between points. Voice or data is carried from the home. factory, or office, or between central office switches by copper wire, coaxial cable, radio, and glass fibers to the telephone company or private network switches, and routed to the caller's destination.

Increasingly, optoelectronic systems incorporating fiber optics and laser technology are being used to transmit simulta-

neous digital voice and data signals through the global telecommunications networks.

Channel banks facilitate a cost-effective and efficient transition to the Digital World. Frontend devices converting analog signals to digital and vice-versa, they make digital systems and products compatible with older generations of analog equipment.

Northern Telecom is the second largest manufacturer of channel banks in the world and the DE-4E is one of the most proven and reliable digital products available today.

Northern Telecom's Private Line Concentrator provides businesses and other organizations with the means to reduce dramatically the number of leased lines required in their voice communications networks, cutting line costs by as much as 50 percent. PLC-1 also provides network usage data for improved management of the network.

TI Mini

A TI Mini amplifies and regenerates voice and data signals as they are carried through the transmission systems. With its 24-channel capacity, the TI Mini repeater is designed to meet AT&T specifications.

The T1 Mini's brother, the T1C has all the

features of the smaller system with twice the capacity. **Digital Radio**

Digital signals for voice, data, and video can be transmitted through the air. Northern Telecom's expanding family of digital radios currently includes 4ghz and 8ghz systems.

Optoelectronics

Northern Telecom has been developing and installing fiber optics systems since the early 1970s and continues to lead in advancing optoelectronic technology. We have supplied over 150 fiber optic transmission systems, the equivalent of more than 62,000 miles of fiber. Lightwave communication through glass fibers is practical and economical for voice, data, and video applications.

The successful application of fiber optics systems to digital telecommunications means longer transmission ranges of up to 30 miles without amplification by repeaters. Fewer repeaters means less field electronics, higher reliability and lower installation and maintenance costs. Glass fiber is smaller and lighter than conventional cable systems and is free from electromagnetic interference.

Northern Telecom offers complete optical fiber transmission systems, including single-mode and multimode fiber and compatible components and systems' designs custom-tailored to meet present and future customer requirements. In Saskatchewan, Canada, for example, Northern Telecom is working with Saskatchewan Telecommunications, the province's telephone company, to produce and install a 2,000-mile fiber optics network. This digital system is the longest fiber optics network being put in service, in the world. It will provide integrated voice, data, and video (cable television) services to customers over 100,000-square-miles.

For more information on Northern Telecom and its products contact: Northern Telecom (U.K.) Ltd. Langton House. Market St., Maidenhead, Berks., SL6 8BE Tel. (628) 72921.



THE LARGEST SUPPLIER OF FULLY DIGITAL SWITCHING AND TRANSMISSION SYSTEMS IN THE WORLD. NORTHERN TELECOM HAS 37,000 EMPLOYEES, 46 MANUFACTURING PLANTS, AND 37 RESEARCH AND DEVELOPMENT CENTERS, IN BRAZIL, CANADA, ENGLAND, MALAYSIA, IRELAND, AND THE UNITED STATES. SALES OFFICES AND DISTRIBUTORS THROUGHOUT NORTH AMERICA, EUROPE, AND ASIA.



Ludwig Orth, vice president of ITT Europe and SEL's general manager of consumer products, displays one of the integrated chips that are used in ITT's digital television.

Sharp Increase Projected in Demand for Integrated Circuits

By Paul Kinnucan

BOSTON -- The year ahead promises to be a heady time for makers of integrated circuits. For one thing, industry analysts are projecting sharply increased demand for the tiny silicon chips that are the building blocks for electronics from microwaves to large-scale computers. For another, a new generation of "supermicrocomputer" chips being introduced by the industry promises to open vast new markets by putting unprecedented computational power on the desktops

Sales of integrated circuits worldwide (excluding Japan) are expected to rise for the first time in three ars, reaching \$8.25 billion in 1983, according to the U.S. Semiconductor Industry Association (SIA) in Cupertino, California. That figure would represent a 28-percent rise from the depressed levels of the past three years, when industry revenues remained virtually flat. The SIA projects that industry revenues will continue to grow 22 percent to 28 percent a year through 1986 and perhaps beyond. Fueling the growth is the world economic recovery and the emergence of new markets — notably for personal computers.

To meet the expected demand, chip makers are adding production capacity, reopening production lines closed during the recent recession and building new lines.

Demand already is outpacing supply. Lead times on critical components, such as microprocessors have stretched to several months. Failure to add capacity fast enough could put a company at a competitive disadvantage. Adding capacity too quickly could hurt

U.S. manufacturers face competition from Japan. Japanese companies wrested two key markets - consumer circuits and computer memory chips — from U.S. companies and they are known to be looking at other key markets, such as microprocessors.

U.S. companies have taken steps in the past two years to improve production. They have become more data in 32-bit chunks instead of being limited to 16-bit

to match the Japanese in quality and cost of the final products. In addition, they have begun to cooperate in research and development to remain competitive with Japanese companies who benefit from governmentsupported research. For example, 10 U.S. computer and semiconductor firms early this year created the Microelectronics and Computer Technology Corp., a jointly funded research firm.

After nearly being pushed out of the market for dynamic RAMs — the most popular type of memory chip — U.S. companies have recaptured 50 percent of the domestic market for these chips, although Japan leads worldwide. "The war's not over," said Mike Kurbiak, manager of market research at the U.S. Semiconductor Industry Association.

Even with the production improvements, some observers question whether U.S. companies can compete against the Japanese in an all-out price war. The Japanese can better afford to cut prices to gain market share. This is because the Japanese are vertically integrated: They make not only the chips but also the more profitable devices on which the chips are based. U.S. chip makers make chips.

Some U.S. chip makers are moving toward integrating vertically. For example, Texas Instruments, the world's biggest independent chip maker, is developing a market for home computers based on its microprocessor chips. The market has not emerged as fast as Texas Instruments had anticipated, and the company reported a staggering \$183-million loss on its consumer operations in the second quarter this year - its first quarterly loss in three decades.

The big technological story of 1983 is the increasing levels of integration being achieved by the industry. For example, the industry is introducing a new generation of very large-scale integrated (VLSI) digital chips that are expected to form the basis of desktop computers comparable in power to some mainframe computers. One is the supermicroprocessor which can handle

minicomputers and mainframe computers could han-dle data in 32-bit chunks. This new generation of 32bit microprocessors will be able to approach large chip set, which contains more than 100,000 transistors, computers in processing speed and memory-addressing capability—several billion bytes (8-bit words). To makers. Ferranti has packaged an entire FM radio on

to introduce a new 32-bit microprocessor next year. a single chip. The new model 386 device is expected to be less advanced than the technologically ambitions but unsuccessful model 432 32-bit processor introduced two years ago. By that time, all of Intel's competitors will have announced their products. Zilog and National Semiconductor announced 32-bit chips in August and October, respectively, and Motorola, the world's biggest semiconductor maker, is expected to introduce a 32-bit processor in December. Meanwhile, several sor originally intended for phone companies but that

could appear on the open market. much data as the current generation of 64K dynamic RAMs. (The symbol K represents 1024 bits of data in Scottsdale, Arizona. Computer terminology). Already Fujitsu and Western
Electric are delivering production quantities of these chips to customers. Most of the other companies are expected to begin volume production of 256K RAMs next year By sady 1026 they are a second to the next generations of one-megabit and four-megabit RAMs are being developed in the laboratory.

their appearance. A set of five chips introduced by end of the decade.

efficient in production and inspection, enabling them or 8-bit chunks. Until recently, only so-called super- Standard Elektrik Lorenz (SEL), the West German handle the large memory, the new chips incorporate sophisticated memory management. Intel, the leading microprocessor maker, is expected tape recorders, packaged on a few chips, or perhaps on

This year has seen the coming of age of semicustom logic — half-finished LSI (large-scale-integrated) chips that can be tailored by the manufacturer or the customer to suit a particular application. They have become popular because they make it economically feasible to use large-scale circuit integration in lowvolume applications.

The last year has seen a torrent of CMOS chip computer makers have also announced 32-bit proces-introductions ranging from memories to microprocessors, including Digital Equipment Corp. and Hewlett-Packard, Western Electric also makes a 32-bit proces-produce a 256K-bit dynamic RAM based on CMOS produce a 256K-bit dynamic RAM based on CMOS technology. CMOS versions of standard logic chips are now available from the leading semiconductor With the introduction of the 32-bit computers, the manufacturers. The leading companies are adding industry is also introducing a new generation of dynamic random access-memory (RAM) chips — the
basis of man memories in most computers. The new
coming out in CMOS," said William I. Strauss, vice generation stores 256K bits of data - four times as president and manager of market research at Integraled Circuit Engineering, a consulting firm based in

next year. By early 1986, they are expected to supplant tenth as much power as their NMOS counterparts.

64K chips at the top of the market. Meanwhile, the (NMOS circuits—currently the dominant type—are based primarily on n-channel transistors.) Because of AMs are being developed in the laboratory. their low-power consumption, CMOS circuits are ex-VLSI consumer chips are also beginning to make pected to supplant NMOS circuits in popularity by the

Bauds, Bits and Chips: Glossary of Basic Terms for a User's Technical Vocabulary

TO HUNDREDS OF of thousands of users of personal computers, the technical vocabulary surrounding the machines is as familiar as a sportscaster's language is to a football fan.

But to those who are new to these machines, which many technology forecasters believe will someday be as common as telephones, the following glossary is meant as a help in the transition from novice to

expert.
BAUD RATE --- A standard measure, in bits per second, of the That is, one cannot run the prospeed by which computers transfer data from one place to another.

By Edward K. Gravely Jr. resenting a letter or a number, is called a byte. There are eight bits in RAM.

a computer. The brain of the computer is a chip called the microprocessor, or central processing unit (CPU). Almost all microcomputers have central processing units that work with information either 8 bits or 16 bits at a time.

Different CPUs make computers, like the Apple and the IBM Personal Computer, so different that they are called incompatible. grams of the other.

The computer takes data or pro-BITS and BYTES — The bit is grams from certain chips but can-the basic unit of information in a not put data into them. That is, the computer. Each number and letter computer only reads the informathat goes into a computer is trans-tion in these chips. They are called lated into electronic impulses. Each into illustration of bits, replated into electronic impulses. Each only memory, or ROM, chips.

Computers with additional internal memory and storage capacity or all or al

CHIPS—The building blocks of speaking, the computer comprises and to play games.

er of any substantial worth has a computer. The brain of the com- only the CPU and the boards and Business microcomputers, which device for storing information. The chips connected to it. But when generally have more memory and most commonly used device is languages vary in their complexity, people speak of a computer, they storage capacity, can use sophisticalled a disk drive, although some starting with the native idiom of processor, which has made possible same time. the microcomputer.

> computers were mostly used to then sort it in almost any manner. play games.

the random access memory, or computers and are big enough to managing the storage and retrieval storage. One K actually equals COMPUTER — Technically planning, other serious work — DISK DRIVE—Every comput-1,024, but it is usually rounded off

usually mean to include the other cated software for financial analycomponents, or peripherals, like sis, data base management and disk drives, a monitor (which looks communication with large, main-either take information from the code. like a small television screen), a frame computers, the biggest com-keyboard and a printer. Thousands puters made. Minicomputers, This is called reading and writing. of microscopic electronic circuits, which are proportionally more crowded into a space less than 1/4- powerful than microcomputers, and flexible, is called a floppy disk. can be more easily used by people. inch square, are known as a micro- can be used by many people at the Disks not only store information

DATA BASE MANAGEMENT The home computer, is largely — A data base management pro-characterized by its price, less than about \$800. Until recently, home large amounts of information and For example, a company's data

er of any substantial worth has a to 1,000. computers use tape recorders.

The plastic disk, which is thin that the computer produces, but they also store the instructions. called programs, or software, that the computer needs in order to

Some drives put information on system). both sides of a disk. These are called double-sided drives. Singlesided drives record on only one side. The density of a drive refers to the number of tracks of information encoded on a disk.

In addition to floppy disk drives, developed by the Microsoft Coxp. there are hard disk drives, which It is easier for novices to use but rapidly spin hard, metal disks that lacks the structure of CBASIC. store vastly greater amounts of information than do floppy disks.

communicate with a computer. It games, store only about 8,000 (or consists of a monitor and a keyboard and will do little more than internal access memory. send and receive data.

HACKER -An expert comput-

LANGUAGES — Computer the CPU, which is machine lan-As the drive spins the disk, it can guage — the 1s and 0s of binary

> Next comes assembly language, which is machine language repre-sented in letters and numbers that Above those are "high-level" languages, like BASIC (Beginner's

> All-Purpose Symbolic Instruction Code), COBOL (Common Business-Oriented Language), and FORTRAN (Formula Translation CBASIC is a version of BASIC that runs on the CP-M operating

system. It is a structured language, often preferred by programmers working in BASIC. MBASIC is a version of BASIC

MEMORY — Used to describe the internal working space of com-DUMB TERMINAL — The minimum equipment necessary to Small machines, like those used for

telephone can be placed.

NIBBLE-Half of a byte, a unit of no special importance except to

program that acts as the bureaucrat ware is the electronic instructions of the computer, coordinating the that enable the user to tell the comwhole computer system, the CPU, puter what to do. disk drives, printer and other programs. The operating system gives the user control of his computer. It also is called a disk operating system, since it controls the flow of storage disks.

crocomputers) and MS-DOS (Microsoft disk operating system). There are more programs written for CP-M than for any other operating system that runs on 8-bit ma-

SMART TERMINAL -MODEM - A device that con- computer terminal that can do verts electronic signals from the more than simply send data to a er enthusiast. Hackers are known computer into sounds that can be computer and display data from a for spending hours on end, by day carried over a telephone line and computer. Depending on how and by night, with their computers. then converts the sounds back into many chips are built into it, a smart K.— The abbreviation for kilo, electronic signals. The term is a terminal can edit and store tempo-

Two common operating systems are CP-M (control program for mi-multiples that are affected.

PORTS - The channels through which computers send and receive data. They are either serial or parailel. That is, they send or receive data one bit at a time (serially) or several bits at the same time (in parallel). Telephone communica-

lator and demodulator. An accoustic coupler is a modern into which a change the color of the background on its monitor.

543

7.0

SOFTWARE - The instructions by which a computer oper-ates, also known as programs. The information produced by the com-OPERATING SYSTEM — The puter is generally called data. Soft-

SPREAD SHEET — A program that sets up an electronic spread sheet in which the lines and colunins are automatically calculated according to formulas chosen by data between the CPU and the the user. When one number is changed, the program will automatically change all the sums and

> TAPE DRIVES - Some lessexpensive microcomputers use tape recorders instead of disk drives to store information and programs. Tape drives are slower, however, because they store data sequentially. It is time-consuming for the tape recorder to wind and rewind a tape, looking for information. And it is impossible for the computer to insert data among other data on a

One recent development is the high-speed tape drive, which works on the same principle as a tape recorder but runs the recording tape across the recording head quickly. The purpose of the higher speed is to reduce the time needed to load and unload data.

New York Times Service

Software Programming Comes of Age

By Al Senia
SANTA MONICA, California — In the view of many industry observers, 1983 has been the year the software industry came of age in the

Its growth has been dramatic with dozens of new programs being introduced weekly and new software stores opening their doors on the average of one a week. Mail-order discounters have sprouted in locales ranging from Maine to California, and their customer bases extend around

The industry is expected to continue its robust expansion at least until 1986. Future Computing of Richardson, Texas, a computer mar-keting research firm, predicts that within three years 1,000 software retail stores will do business in the United States, and \$5 billion worth of software products will line their shelves.

Already, there are more than 2,000 different software packages, from a fly-catching frog (Frogger) to a sophisticated eight-module accounting package (Accounting Plus). Such diversity, though welcomed by the consumer, has created confusion in the business. Price-cutting fueled by retail competition, clouds the picture

However, there are a growing number of "software stars" popular because of price, function, ease of use and other factors. A guide to the top 10 software programs follows:

Bank Street Writer. A word-processing pro-

gram developed by educators and learning specialists, Bank Street has been gaining accep-tance from novices and experienced users. Manufactured by Broderbund, based in San Rafael, California, the program is relatively simple to use. Unlike many more complicated packages, Bank Street uses a self-prompting method: The instructions pop right onto the screen as the

less of the cost of many competitors. It is finding wide use among professionals who need a solid word-processing program for business reports. But the price also makes it popular with college educational software and arcade games. It

sign add to the rather adventurous scenario. The my words from the planet Lexicon. To destroy player pilots a helicopter that has to rescue four the space objects a player has to keep his eyes groups of hostages from a foreign land. Tanks, off the keyboard and on the screen. Typing the solution of the mystery. There are three varieties air mines, jet fighters and other explosive paraword correctly and pressing the space bar action of Zork, and an independent of the mystery. phernalia are thrown up to sidetrack the rescue. If the player survives the first barrage, he or she is in for a mean surprise: It gets increasingly harder to fly back in and rescue each of the remaining groups. It costs about \$30.

• dBaseII. A powerful data-base management system, it has found a niche with doctors, lawyers, accountants, stockbrokers and other professionals in business. Basically, the package allows the user to manage data from a computer by using simple commands closely resembling English rather than computerese. The program can add, delete, edit, display, print and manipulate information quickly. The secret is in the shortened processing time: dBASE uses its own

development language to expedite commands.

Data bases can be sorted, edited and displayed directly from the computer keyboard. The system also allows for data to be formated directly into reports. An Ashton-Tate product that has gained 150,000 users worldwide at last count. Suggested retail price is \$700. It is compatible with IBM and CPM systems.

• Frogger. Another arcade game, it is sweeping through home computer systems and is played in offices on the sty. A rather endearing-looking frog is maneuvered, at great peril, through a variety of obstacles, including a busy freeway. If the user can successfully help the hapless creature catch flies, a reward (for the frog at least) is in the offing. It is manufactured by Sierra On-Line and is compatible with Apple, Atari, Commodore and IBM. The cost is

• Home Accountant. A financial management program for home and small business, it is taking what is known as the "home productivi-ty" end of the software market by storm. Its primary appeal is that it serves a variety of needs for not much money. The package can balance a checkbook, manage a budget, print checks, monitor personal net worth and be used as a general ledger. The program also maintains a history of all financial transactions for the user. Produced by Continental Software of Los Angeles, it retails for \$150 but usually is found for less. It is compatible with virtually all popular computer hardware including Commodore, user sets up the program.

Price is another strong point. The package is listed at \$69.95, which places it at one-third or listed at \$69.95, which places it at one-third or list.

 MasterType. This is a new learning tool that is one of the first to integrate classroom students and home computer users. It is compatible with Atari and Apple hardware.

• Choplifter. Another Broderbund creation, this arcade style game has been near the top of the charts for months. Flashy, high-resolution graphics and simulated three-dimensional design add to the other three-dimensional design and three-dimensional d vates a devastating laser bolt that zaps the word's missile. It is available through Lightning Software of Palo Alto, California and is priced at \$40. It is compatible with Apple, Atari, Commodore and IBM.

• 1-2-3. The brainchild of Lotus Development Corp. of Cambridge, Massachusetts, 1-2-3 is an all-in-one program that allows microcom-puters to manipulate columns and rows of numbers and to file and sort information. Introduced last year, it has become the top program in business for personal computers, and sales have totaled more than \$12 million so far this year. Essentially, it is a spreadsheet program popular with executives and corporations, that allows "windows" on the computer screen to enter text or to display graphs of information. The program has spawned more than three dozen imitators. It sells at retail for \$495 and is for use with IBM.

 PFS:FILE. The handy program allows for easy storage, organization and eventual retrieval of all sorts of information. Home computer users use it to keep track of record collections, recipes and so forth. Sales people can use it to keep track of their accounts. The corporate manager can use it to keep track of personnel or inventory. The program can search for data or text in combinations selected by the user. Software Publishing of Mountain View, California markets PFS:FILE and has developed compati-ble programs such as PFS:WRITE (a word-processing package) and PFS:REPORT (an information-management system) for use with the earlier product. It is compatible with Apple, Commodore and IBM and costs approximately

• Wordstar, It is the standard with which all other word-processing programs are compared. The program permits a user to create text and format it as desired. It is a flexible and broad program that offers options like automatic checking of spelling and allows for production of letter-quality form letters. Wordstar retails for a relatively hefty \$495. Confirmed believers say the cheaper imitations do not offer the depth. this program does. Wordstar is not the simple program to set up and use, in part because there is so much to it. Offered by MicroPro International, it is compatible with Apple, IBM and

 Zork. A top adventure game which started on larger minicomputers and has worked its way to the micro. It is more sophisticated than most competitors and uses words, not graphics, to move the user through a series of "rooms" to solve the mystery of the Underground Empire. Logic and vocabulary are key components. Trolls, treasures and puzzles block the path to of Zork, and an independent group of user has formed to provide maps of the Underground Empire and other useful hints. The game sells at retail for \$40 from Infocum in Cambrige, Massachusetts. It runs on virtually all major sys-

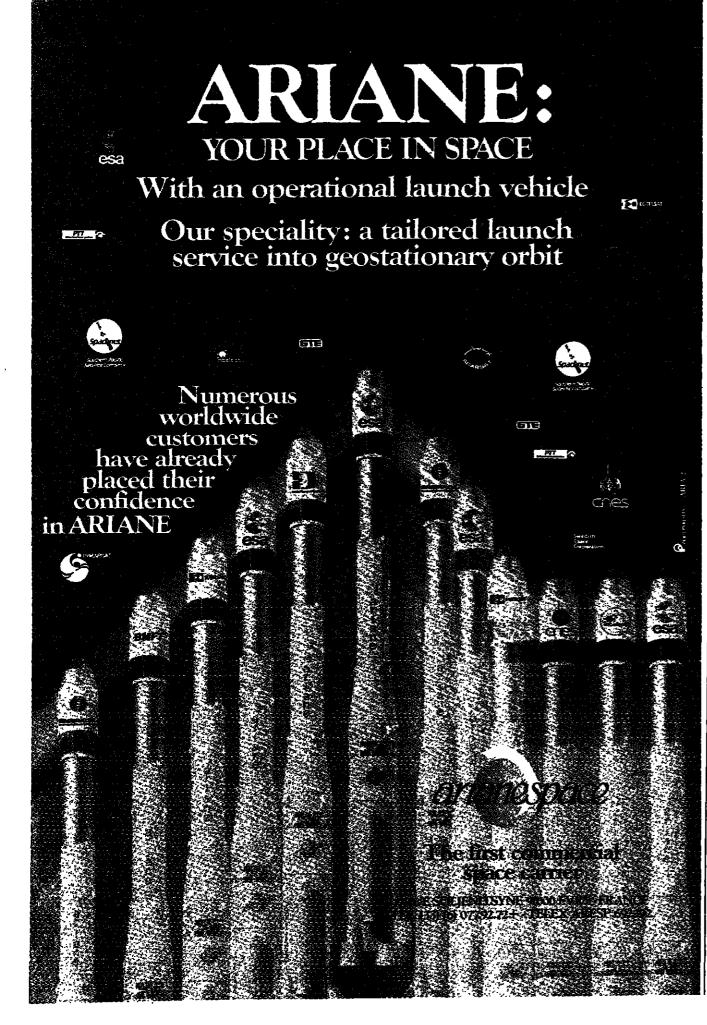
The confluence

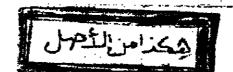
the world we li

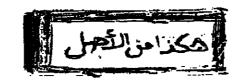
of applications.

and the NEC OF

new products:







grated Circui

The state of the s

 $\mathbb{T}_{N^{k} \to \mathbb{R}^{k}}$

24 4 3

42.

100

The state of the s

The second second

Man Man

Section of the second

The state of the s

F-12 - 6:

.... C. 7.57R

of manager

STEEL SHEETING

- & see

大部分 生工会会

and the contradig

-0 -5 PM 25

The De Tree:

-11-11-12:

T. II t. III II II I

order: trace

727.5

Contracting P. J. C. 1135 C. 201252

್ಟ್ ಇನ್ನು ಸಾಕ್ಷಮಾರ್ಡ ್ ೨೯ ಫ್ರಾಕ್ಟ್ ಪಡಿಸಿದರು 57 57 9 2 2

198 DESEAS

The second secon

A CANADA A A CAMPAGE

連続 をおける ジャー・ ここには 新ななる

18318 19 1...

26.2

tile the

and the second ********* **3**...

and agreed facilities in

(28) to its its is a

IBM: New Aggressiveness Is Working

By David Moschella

FRAMINGHAM, Massachu setts — International Business Machines Corp. has been the undisputed leader of the worldwide computer industry for more than 20 years. Yet, despite the fact that as recently as three years ago IBM's data-processing revenues were greater than its 15 largest competitors combined, observers were seriously questioning the company's long-term prospects.

> Weighed down throughout the 1970s by public and private anti-trust suits. IBM was slow to take advantage of major new opportunities in minicomputers, word processing and computer services. While companies such as Digital Equipment Corp., Wang Laboratories Inc., Automatic Data Processing and Apple Computer Inc., prospered, IBM's share of the overall market steadily fell.

Today, there are days when it seems like IBM is the only thing that stands between U.S. techno-A CONTRACTOR OF THE PARTY OF TH logical leadership and a Japanese takeover of the worldwide computer industry. IBM's technology has become first rate, its manufacturing prowess unmatched and its growth and earnings are the envy of the industry. IBM still controls about 30 percent of the \$100-bilfion worldwide computer busines a share that has stabilized and that in 1982 rose slightly.

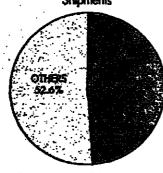
The company does not hide its new aggressiveness. It will pursue any and all markets, and it plans to take full advantage of the many opportunities of the upcoming information age. Telecommunications, videotext, robots and consumer products are just the most visible signs of what is clearly a "new IBML"

The roots of the turnaround reach back to 1978, when IBM embarked upon an aggressive fiveyear buildup, during which about \$11 billion was spent on research and development and \$15 billion was invested in new production facilities. The purpose of this unprecedented expansion was to prepare for the merging of data processing, office automation and communication services and the necessary production of low-cost, high-volume products to be distributed on a worldwide basis.

This policy has clearly begun to pay off. From \$4-million mainframes to \$3,000 Personal Computers, IBM is flooding the market with aggressively priced hardware. Last week the company introduced two advanced versions of its Personal Computer, the 3270-PC and 1982 Worldwide Moinfrome markets it currently serves. New ventures are a must, and although Computer Shipments

decade telecommunications, per-sonal computers and office auto-OTHERS 28.5%

1982 Worldwide Computer Shipments



8150 as the top model in the 8100 series of mainframe computers. In addition, the company introduced software that allows letters and other documents to be exchanged through the 8100, 5520 and Displaywriter office systems.

To keep in touch with rapidly changing markets, the company has reorganized itself, creating independent business units free of the miles of corporate red tape that had plagned decision-making in the past. With its lean, fast-moving image, IBM once again is seen as a growth stock.

But from IBM's perspective, the challenges of the next five years are at least as great as those of the past. It is generally believed that IBM's asked for permission to establish a internal business plan calls for it to become a \$100-billion company by 1990, implying an annual growth rate of 14 percent. To put that growth in perspective, consider that to reach its goals, IBM must triple its sales in a market where prices are falling. In effect, two new companies the size of 1982's \$34-billion IBM must be built in just eight years. It took 71 years to produce the IBM that exists today.

areas such as robotics, artificial intelligence and videotext systems will some day become major markets for IBM, for the rest of this

mation represent the most attrac-

zero. But as computer and commi

transmission services to large busi-

offer residential long-distance

voice services as well. About 18

months ago, IBM re-entered the

U.S. computer-services business by

establishing its Information Net-

work to provide remote data-pro-

cessing and transmission services.

branch exchanges, known as PBXs.

In addition to handling telephone

traffic, PBXs will control many

data transmission tasks both within

an office and to the outside world.

Rumors persist that IBM will mar-

ket the Rolm PBX to the IBM cus-

tomer base outside the United

States, a potentially powerful com-

contractor for that nation's video-

text. Although, to IBM's embar-

rassment, technical difficulties

have delayed the project, it is ex-

pected to become a major revenue

tions markets, including cable TV.

Personal computers are one of

in June, IBM bought a 15-per-

tive opportunities.

from nowhere to become the leading supplier of personal computers, and it is now the target of most independent application software and disk and printer development. Telecommunications services are becoming increasingly computer-ized. Yet, IBM's share of the rough-IBM admits that it was stunned by the success of its own Personal ly \$200-billion worldwide telecom-Computer, but its chief scientist, Louis Branscomb, said that the munications business is virtually "future is centered on powerful nication services steadily overlap, work stations."

IBM will increasingly compete with the likes of AT&T in the Unit-Although primarily it serves the business market today, IBM ex-pects to sell similar personal ma-chines to the home. Best estimates ed States, Nippon Telephone and Telegraph in Japan and their coun-terparts in Europe. are that IBM will build about 700.000 Personal Computers this This competition has already beyear. Production will increase siggun. In the United States, IBM has nificantly in 1984, as a new factory a majority stake in Satellite Business Systems (SBS), which provides sophisticated voice, data and video in Scotland gets into full-scale pro-

IBM realizes that given the rapid nesses. SBS has recently begun to diversification of the informationprocessing industry, even a company its size cannot be all things to all people. In January, 1982, the U.S. government dropped its 13-year antitrust suit against IBM, saying it was "without merit." Since then IBM has aggressively and carefully built ties with major firms around cent stake in Rolm, the leading the world. U.S. manufacturer of private

In the United States, in addition to the Rolm interest, IBM has bought a 12-percent stake in Intel. a leading semiconductor firm that manufactures the microprocessors in IBM's Personal Computer and Displaywriter word processor. It also set up IBM Credit Corp. and has an equipment-financing ven-ture with Merrill Lynch. Industry observers expect more moves along these lines.

In Germany, IBM is the primary Internationally, IBM has been text system, known as Bildschirmeven more aggressive. The compahas made major agreements with Matsushita, Mitsubishi and NTT, as well as with smaller firms. IBM's expanded use of outside producer as well as a political and suppliers is best shown by its permarketing coup. In Japan, IBM has sonal computer, where the only thing IBM actually builds is the public data network and is working keyboard; the other components with Mitsubishi to explore business come from U.S. and Japanese supand residential telecommunicapliers. IBM's Personal Computer manufacturing efforts are primarily concerned with testing and as-

spread interest in telecommunications. As computing devices prolif-cooperative with outside suppliers, tachi has already pleaded guilty. erate, the demand for application software houses and IBM has also sued NCR Comten. those companies that want to make maker of IBM compatible commuunications increases sharply their systems communicate with nications processors, and Cybersince information gets shared and services such as electronic mail be- IBM products, it has also become nex, a manufacturer of advanced IBM cannot meet its growth tar- come more feasible. By 1990, Inter- much tougher in protecting its as- magnetic storage components. For the XT-370. It also presented the gets by merely growing with the national Data estimates that there sets. Since the victory in the anti- almost 10 years, the European

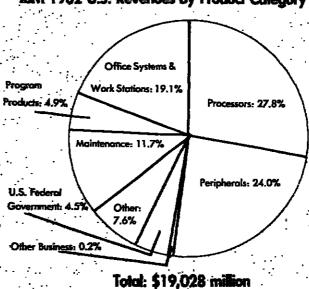
will be approximately one computer work station for each U.S. whitecollar worker. By then the data communications market will have

In about 18 months, IBM went

the key forces behind the wide-

IBM's Personal Computer.

IBM 1982 U.S. Revenues By Product Category



Source: IBM 1982 Annual Report

trust snit, IBM's lawyers have sud- Commission has been mulling antidenly taken the offensive.

In June 1982, IBM accused both Yet, although IBM is being more al espionage, a charge to which Hi-Hitachi and Mitsubishi of industri-

trust charges similar to those alnissed in the United States, and it appears that IBM will

International Data Corporation, a business program in the United Boston-based market research and States for personal computers. "We sel. "We're acting as a conduit. It's consulting firm in the information take it very seriously. But just like an opportunity to give the people

Software Makers Act to Curb Piracy

SANTA MONICA, California lifting the best we can do is to try Like many other executives in California's Silicon Valley near San Francisco, the heart of the state's computer industry, Jon Loveless has written more than a few commercially successful computer games for the software trade. As the marketing vice president of Synapse, a software manufacturer, he has reviewed scores of software

Still, when an acquaintance recently offered him a bootleg version of a popular computer game, Mr. Loveless was taken aback. The product was one that he had writien just a few months before.

"I've been asked on a couple of occasions if I'd like a copy of my own game," Mr. Loveless lament-"There are some user groups that openly trade and give out for free software designed for sale in which there is still a proprietary

His problem is not unique. The billion-dollar software industry is under attack by sophisticated bootleggers or pirates who easily duplicate popular and expensive program packages. They obtain the material through computer user associations, software rental stores and "electronic billboards" that spring up among groups of computer buffs quickly and which can transfer software over the tele-

The dollar loss probably runs into the tens of millions annually although precise figures aren't available. While many in the industry may differ about the extent of the problem, all sides agree it is growing worse and is nearly impossible to stamp out. Much of the piracy is being committed by individuals who borrow a program from a friend and quickly and easily duplicate it on a cassette or a diskette for their own use. In that respect they resemble people who tape a record album from the radio for their personal use.

However, increasingly groups of pirates are making several copies of more expensive programs and retailing them for prices well below an information clearinghouse to those found even in discount soft- gather data on antipiracy devices.

ware shops. "It's akin to the problem of shoplifting," says Chris Morgan, vice president of communications for Lotus Development Co., manu-The writer is a research analyst at facturers of 1-2-3, the most popular no store can totally eliminate shop-

to keep the problem under control as much as possible."

in the past few months, software manufacturers have acted in a varicty of ways to stymie software

thieves:

• Increased security. It usually takes about six weeks to develop popular recreational games. Some companies, like Synapse, now spend as much as one-third of that development period on security and codes that are printed on the software packages to slow down

bootleggers.

Legal remedies. Micropro International, a major San Rafael. California, software manufacturer filed a piracy suit against United Computer Corp., another giant California firm. United Computer rents software programs; the suit claims Micropro has suffered financial losses as a result. A second software firm, Peachtree Software Inc., of Atlanta, filed a similar suit in late September against United Computer that seeks the return of Peachtree's software products and

financial damages.

Some industry officials think the suits eventually will be settled amiably. But in the interim some retail chains are taking a less aggressive approach to the rental trade. As both sides prepare their legal battles, it appears likely the legal ac-tion will put in the spotlight the role of the rental business on pira-

 Technological solutions. Several firms are developing new devices they claim will frustrate the pirates. One of the newest and most successful is the Prolok system developed by Vault Corp., a small California firm. Vault attaches a "fingerprint" on a floppy disk, the device on which software manufacturers record their programs. When it is inserted in a computer disk drive, it unlocks the program. If the print is not read, the program will

The Arlington Virginia-based Association of Data Processing Service Organizations, or ADAPSO, established this summer

"It's our attempt to take whatever information people are willing to submit on the perfect solution to the problem and turn it over to the people who have signed up to re-ceive it," explains David Wormser, ADAPSO's assistant general coun-(Continued on Following Page)

WORLD COMMENICATIONS YEAR

NEC will open your eyes to the future at TELECOM 83.

The confluence of computer and communications technologies, or C&C, is rapidly changing

the world we live in. At TELECOM 83, we will illustrate the power and reach of C&C by way of a wide range of applications. In fact, our exhibit is one of the largest and most comprehensive. Interactive displays include the NEC Stand (770m²), the NEC Stand at the Japan Pavilion (210m²)

and the NEC Outdoor Display (200m²). Highlighting the theme "C&C for Everyone," we'll show you a whole string of promising new products and systems with added value in business, public and the home—the latest

advances in digital communications, computers, microelectronics,

home electronics, man/machine interfaces and others.

Moreover, you will witness how our technology is being utilized to realize one of the principal goals behind C&C-the ability to exchange information in all its forms with anybody, anytime and anywhere.

Join us. It may well change your thinking about the future.

TELECOM 83 October 26-November 1, 1983 New Exhibition and Conference Centre Geneva, Switzerland



المنتقلا ويروس مسيد ويو 11. 12.22

Comes of Ag

AND THE

Industry Takes Steps to Curb Piracy of Products and Ideas

there an audience they might not otherwise have reached.

The clearinghouse activity aptly illustrates how widespread concern in the industry has become. Rick Magnuson, a sales director for Software Publishing Corp. in ADAPSO's software protection firms have signed up for information on solutions to piracy.

has the best chance of stopping manufacturers. pirates. First, it offers a mixture of

(Continued From Preceding Page)
who are looking for solutions out on a computer without it. Finally, it ness," he said. is cheap. Estimates are that it will add only one dollar to the cost of a

Vault received a big boost in ear-Mountain View, California, leads ly October when a major software producer, Ashton-Tate, purchased committee. To date, he says 160 approximately 20 percent of the company. Kragr Brothy, the firm's on on solutions to piracy.

Mr. Magnuson and others said volvement with Vault will not himthe Vault Prolok system thus far der availability to other software

He also plans to produce a series both hardware and software pro- of more specialized products based tection that is more difficult to on the Prolok system. "We're plancrack; it involves both the "print" ning items like a disk for data file on the software package and action security and a demonstration disk by the microcomputer. Also, it is so that software people could send immune to copiers: Although the out copies for manufacturers to program's application instructions look at and they couldn't be duplican be duplicated without the cod- cated. We see ourselves as being in

Manufacturers also are exploring potential legislative remedies to software package. (Most recre- help control the software problem. ational software, the prime targets In this they appear to be taking of the pirates, costs between \$25 their cue from the recording and deocassette industries, both of which have been battered by illegal duplicating and have pressed Congress, so far with minimal success, for relief. One proposed remedy. for example, gave the copyrighted owner of a record the power to license rentals. But the issue is more complex for software because it still is unclear from a legal perspective if software enjoys copy-

> "A software protection proposal has been worked on for some time and it is still under review," said Mr. Wormser of ADAPSO. It probably will not be introduced in the immediate future.

While the software piracy problem and most of the proposed solutions appear centered at present in the United States, many executives believe the industry will turn its attention to Europe soon.

"The problem is even more widespread overseas because American software companies have not done a good job in educating Europeans to the fact that copying software is not legal," said Mr. Magnuson.

Mr. Loveless from Syapse added, "We sell in both Germany and England, and Germany is one of the most sophisticated from a piracy "From a percentage standpoint, the piracy problem there is proba-

bly worse than it is over here." All agree the bootleg industry is

"It spreads like wild fire," added Mr. Loveless. "Once a copy of a new program is made, other copies are duplicated from it very quick-

He pointed to one recreational program, a software package entiiled Shamus, as an example. Synapse has sold more than 60,000 copies of the game at approximately \$35 each. Based on calls for support by users, he estimated 200,000 illegal copies are in circulation. (Other manufacturers also contend there are between three and four bootleg versions of other popular software for every one produced in circulation.) The estimated dollar loss from just one of the 30 entertainment programs produced by this one medium-size software firm



A Thomson-CSF portable computer terminal uses liquid crystal.

Investors Are Skittish; Stocks Slide

which manufactures electronics for IBM's popular Personal Computer, manufacturing of home computers. which recently secured a \$310-milion contract, reportedly with IBM.

among the recommended buys of neary every Wall Street investment adviser is IBM. Seemingly untouched by the growing price wars,

manufacturer of office computer technology, continues to step up production of its personal computer but is unable to meet demand. It and Tandon Corp., a leading man-also has on line a lower-priced ufacturer of disk drives used in the home version of the personal verwill retail at about \$1,000. "IBM has a product in every inch

IBM is trading near its year's high affected by the current industry owns. The stoo of \$134. The Armonk, New York, volatility is Commodore, even times earnings.

share, compared with its year's high of 60%, analysts said. Commodore, the leader of home computers selling for less than \$500, had sales gains of 113 percent in 1983 and an sion, nicknamed the Peanut, which after-tax profit increase of 93 per-

Finally, there is Tandy Corp., maker of the popular TRS-80 per-Still, there have been a few con- of the computer market," Mr. De- maker of the popular TRS-80 persistent computer stocks. High voe said. "Almost everybody in the sonal computer. A strongly recomcomputer business will have to go mended company, Tandy not only ahead with IBM regardless of what sells its own computers but also mended company, Tandy not only

After IBM, the company least the 8,000 Radio Shack stores that it owns. The stock is selling at 11.4

going slowly on purchasing any others." The Associated Press recently bought about 100 of the Tandy TRS-80 Model 100. The Washing

Phone, Computer **Grow More Alike**

By Paul Taylor

AUSTIN, Texas - Any computer company that owns a chain of retail outlets that ching to their resolutely low-tech name of Radio Shack has clearly cast its lot with mass consumer products.

So it is hardly surprising that Tandy Corp., which led the way in popularizing low-cost personal computers, is trying to do the same for a range of new products that marry the merging technologies of the computer and the telephone.

This spring Tandy introduced a \$799 portable computer that is small enough to use on an airplane seatback tray and versatile enough to plug into a standard telephone jack - and then go ahead and dial a preprogramed number on its

It has also begun selling a lowcost (\$99) pocket pager that beeps phone messages. It is also offering a variety of telephone enhancements designed to bring the features one associates with office phones such as call holding and call for-

warding - into the home. "I'm not sure we won't see the day too many years from now when it is going to be hard to tell your telephone from your computer," said John V. Roach, chairman and chief executive officer of the Fort Worth, Texas based company.

To do its part to speed the arrival of that day, Tandy on Nov. I will open 25 new telephone centers around the United States that will offer the latest in computerized communications gadgetry to a mar-ket of home consumers and small

average of the rest of the company. We did more than \$200 million in phone sales last year, which made us the largest independent tele-phone retailer outside of AT&T."

American Telephone & Teleraph Co., in its new condition, will also move aggressively into the marketing of consumer products that bring the computer into communications. But at the moment, Tandy has one advantage that even the Bell system cannot match - a worldwide retail distribution net- fifth in volume of sales in the home

What makes us truly unique in

which are computer centers. If the pilot program involving the 25 telephone stores is a success, Tandy will rapidly increase their number.

The possibilities for new products that combined computers and communications are endless. Tandy executives foresee the day before long when most standard kitchen stoves will have a microprocessor that will allow the onthe-go chef to dial up cooking instructions from afar.

Tandy's portable, TRS-80 Model 100, reportedly has caused concern among some out of fear that they might cause interference with with an airplane's on-board navigational equipment. But Tandy spokesmen said tests show their computers fall well within acceptable radiation levels for use on aires. "I have used mine on about 20 different planes, and I always make a point of checking with the pilot," a Tandy executive, Ed :: Judge, said. "There's never been a

Tandy is counting on a boon from sales of its portable computer, and it is similarly bullish about the prospects for its pocket pager and other telephone-oriented gadgetry."...

"Over the long term, the residential customer is going to want a telephone system that has the same features he has become accustomed to m the workplace," Mr. Roach

Operating on the theory, Tandy. is test-marketing a \$999 computer that can link ordinary residential phones with a sophisticated switching system. The \$99 pocket paget "Our telephone business has been growing at a very nice rate," will deliver a message for as little as Mr. Roach said. "Better than the average of the rest of the comment." allows a user, once he hears a b Other pagers — more expensive and not marketed by Tandy bave a feature that actually displays the caller's telephone number'. right on the pagers.

> Tandy's move into communications comes at an opportune moment: Like all makes of home come. puters, it suffered lagging profits in 1982 and early 1983 as a result of the crowded market and competition. In the last two years, Tandy has also dropped from second to

the computer field is that we are the addition to the retail distribution only company with our own distri- network, has always been the. bution service and support net- breadth of its product line. "We. work," Mr. Roach said. There are have 10 to 20 percent of the market more than 8,700 Radio Shack of virtually every computer prod-stores worldwide, about 1,200 of uct we sell," Mr. Roach said.

CONTRIBUTORS

ARTHUR HOWE is a staff financial correspondent for The Philadelphia Inquirer based in New York

PAUL KINNUCAN is senior editor at High Technology, a Boston-based monthly magazine.

AMIEL KORNEL, who writes frequently on technology, is on the staff of the International Herald

JOHN MARKOFF is a senior editor of InfoWorld, a Silicon Valley, California-based personal computer newsweekly.

MARK SCHREIBER, a journalist who writes frequently on technology, is based in Tokyo.

AL SENIA is the West Coast regional editor of Iron Age, a business publication on the metal-working industries, and a frequent contributor to The Wash-DONALD H. SHAPIRO is president of Trade

Winds Inc., a Taipei-based trade publishing firm. He also represents the Time-Life News Service and McGraw-Hill World News in Taiwan. JEFFREY TARTER is the publisher of Soft@Let-

PAUL TAYLOR is a staff correspondent for The Washington Post based in Austin, Texas. RONALD ERIC WIMER is on the staff of the

International Herald Tribune.

ter, a newsletter that covers the software publishing

Prediction for Compact Computers: One in Every Briefcase

(Continued From Page 12)

for a variety of purposes. Users can send and receive mail and even receive the latest stock market quotes through their computer.

News companies in the United States and Canada have started buying portable computers for their reporters to use as electronic typewriters. Writers benefit from the small size and the fact that 100, which is smaller, lighter and many of them, such as those pro-

and NEC, run on batteries as well as electricity. The main advantage, however, is that portables can be coupled to a telephone to transmit information to another computer at a rate of 300 words a minute compared with 66 words a minute

The Wall Street Journal uses Portabubble 81 portable terminals, manufactured by Teleram, and is buying the Tandy TRS-80 Model -AL SENIA duced by Tandy, Olivetti, Epson Times has 83 Portabubble 81s, two

ly bought six Tandy TRS-80 Model 100s. Howard Angione, technology editor of The Times, said, "We are

ton Post has bought 25 of them and is planning to buy more. Don Till, director of communications at The Washington Post, said, "Any reporter who travels could benefit

BUILDING THE WORLD'S GHTIEST MACHINE prevailing hardware-based approach, dating from televiously isolated islands of local computers and office themselves are no longer enough to give your com-

It's by far the biggest and most complex artifact man

ever created. It's taken more than a hundred years to bring it to its present stage of development. But it's only now that the full potential of the worldwide telecommuni-

cations network is becoming apparent. Slowly, almost imperceptibly to its users, it's changing into a single, global, digital computer. Transmitting your voice across the hall or across the ocean is just the beginning of what it can do for you.

Ericsson is a major force in this development. In 1977, we introduced a totally new way of thinking about telecommunications systems. We replaced the

communications' infancy, with software-based "functional modularity".

Why should you know about all this? Simply because the principles Ericsson applies to the design of telecommunications systems for entire countries are just as valid for designing an information system for your company.

They offer exactly the same advantages they're giving to a growing number of the world's telephone companies: cost-effectiveness, flexibility and the ability to absorb new technology.

They let you build bridges between pre-

automation systems. And make your whole corporate information system future-proof.

We have all the software you need. And all the hardware, including the key component: a digital PBX that handles voice, text, data and pictures simultaneously. It comes in modules that can be combined to serve any number of extensions - from 100 to more than 10,000.

No matter where in the world these extensions happen to be, they can have full access to all the facilities of your company's information system.

Data processing and office automation by

pany the competitive edge it needs. It takes telecommunications to realize their full potential.

Ericsson can put the keys to all three disciplines in your hands.



ERICSSON IS TELECOMMUNICATIONS. DATA PROCESSING AND OFFICE AUTOMATION.

Over 70,000 employees, more than \$2.5 billion in sales, a census of experience in telecommunications. lquariers L.M. Ericsson, S-12625 Stock

com

Mr. Annie 134

A - 1007 6

25-----Similar O

ಜಿಪ್ಪಾಗಿ ಬಿಡಲಾಗಿ ra Poula Entraspet, a ಪ್ರತಿಕ^{್ಷ}್ ಆ ಪಟ*ಿಡತಿ*ಗೆ rallia india) TOTAL CONTRACTOR ಹಾಯ ಬಿಂದಲಾಯ topur catarage ಯಾರ್ವಿಕ ಕಾರ್ಡಿಕಾರ

Contractor Transport Stock, the board of the same अधिकार । अस्तरहरू अ The measure of the life Mala Samuel and a wine Transit in the Changer) tades as formal fath Files Brus Amer V

the street water to Appe The Care of the Care के होता । इसके अस्तर स्वा**र्थन** indicate an annually the seed the commended and passes are determined.

CURREN

Money Rates

The Universe of Microcomputer Software

MBASIC

dBase II (Ashton-Tate)

A breakdown of 1983 software sales, in millions, for home and office computers that sell for \$10,000 or less. Representative products (and manufacturers) listed in each category. For further

iturers) listed in each category. For furt

(All figures in millions of dollars)

iting Systems...\$84 MS-DOS (Microsoft)

Wordstar (Micropro)

By Andrew Pollack

New York Times Service

NEW YORK - When 32-year-old Mitchell

L. Kapor took his fledgling computer software

company, Lotus Development Corp., public early in October, he made a fortune — about

That this former radio disc jockey and teacher

of transcendental meditation turned to comput-

er programming only a few years ago simply adds to his feat. It is the stuff of which legends

are made, especially in the personal-computer

tions entrepreneurs are toiling away late into the

Throughout the land, other young and ambi-

\$70 million, in fact.

System Programs...\$279

Section 1

THE STATE OF STREET

##

Total 1983 Software Sales \$2,173

Productivity...\$675

Macro Battle Coming for Micro Software

computers to perform useful tasks. These lone

was amply backed by nearly \$5 million in ven-ture capital. To introduce its personal-computer program, called simply "1-2-3," Lotus spent

more than \$1 million in advertising in a three-

month period, an unprecedented marketing

campaign for the industry.

lso dreaming of creating the next Lotus.

Multiplan (Microsoft)

TUESDAY, OCTOBER 25, 1983

COMMODITIES

By H.J. MAIDENBERG

Pause Seems at Hand in Proliferation Of New Futures and Options Products

NEW YORK — A pause in the proliferation of new futures and options products is at hand. But as welcome as this is to federal regulators and the weary brokerage houses, it is likely only to be a brief respite before the next wave of new products arrives.

One reason for the sudden slowdown in exchange requests to trade futures and options was a recent move by the Commodity Futures Trading Commission to impose a \$10,000 filing fee on any new product. But next year the exchanges plan to introduce more options, which have become the fastest-growing sector of the industry.

Susan Phillips, chairman-designate of the regulatory agency, explained

It was a practice of

many exchanges to file

just to be ready to offer

whenever a rival did,

a similar product.

the slowdown in filings:
"Before we imposed the fee, effective Sept. 23, there were 55 new contracts up for consideration.

Previously, there hadn't been any fee. At the end of that day, exchanges had withdrawn 28 of them. We realize, of course, that many of the withdrawn filings had

only been submitted for competi-tive reasons.

In fact, it was a practice of many only been submitted for competiin lact, it was a present a rival exchanges to file whenever a rival did, just to be ready to offer a

did, just to be ready to outer a similar product. It has long been a fact that once an exchange has time to establish a successful market, it is extremely difficult for its rivals to take

away its lead.

But Miss Phillips was concerned with other problems. For one, the agency's staff and budget are relatively small, she noted, while the cost of processing the filings keeps rising.

She added: "Above all, the time factor dictated our action. When She added: Above an, the time ractor discount of the Congress reauthoritized the agency last year, it specifically ordered that Congress reanthornized the agency last year, a very we must process a filing within one year. Given our resources, we can only process 25 filings a year, if all goes well."

Interestingly, two of the withdrawn filings were for futures on two Dow Jones averages — transportation and utilities — that had been requested by the Chicago Board of Trade. The exchange also withdrew filings for five other index contracts and six commodities index futures. Last Friday, the Illinois Supreme Court ruled in favor of a suit by Dow Jones and the Chicago Board for any other exchange. & Co. that sought to prevent the Chicago Board (or any other exchange) from trading futures based on its industrial share average.

However, Thomas P. Cunningham, chairman of the Chicago Board, said last Friday: "Thanks to our joint-access agreement with the American Stock Exchange, which we signed two days ago, we will be able to trade Amer's broad-and narrow-based index options by early January."

The Chicago Mercantile Exchange has a similar agreement with the The Chicago Mercanuse Exchange mas a summan of the Standard & Chicago Board Options Exchange involving contracts on the Standard & Chicago Board Options Excl Poor's 100 and 500 indeses.

Similar Contracts Planned

Had the Chicago Board prevailed, several other exchanges had planned to trade similar futures as well as options based on that average. But the New York Futures Exchange, a unit of the New York Stock Exchange, withdrew two contracts on the energy and transportation averages.

Chicago's MidAmerica Commodity Exchange withdrew 11 filings. including those for several financial, consumer-price index and crude-oil futures as well as two London gold-price-fix applications. MidAmerica trades half-size contracts and wanted to be ready to trade similar versions - of products that its larger rivals were preparing.

As for the options that are coming, Miss Phillips pointed out that a new pilot program now gives the exchanges the right to trade two options on futures or physical commodities. Only one option had been allowed on an older three year putot program.

And, if Congress approves, a new class of options, based on grain, solybean products and livestock, is expected to be introduced next year. Thus, New York's Commodity Exchange is expected to offer options Exchange has filed for an option on gold bullion. Other exchanges report

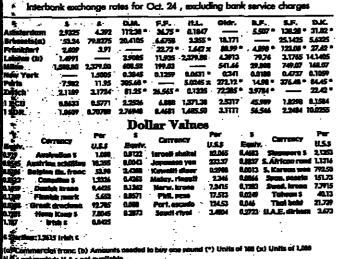
they are still undecided about their choices. Richard L. Sandor, senior vice president of Drexel Burnham Lambert Inc., former head of the Chicago Board's new products committee and an architect of several financial futures contracts, said:

"The Chicago Board-Amex linkage was most formitous because it gives the exchange access to Amer's Major Market index, which has a 98 percent correlation with the Dow Jones industrial average. Actually, the influstry doesn't need more index products because there are just so many dollars available in the marketplace."

Rather than seek new index and other trading products, Mr. Sandor said, "the exchanges should seek to attract more institutional hedgers and thus increase the liquidity of existing markets. Right now, the big mititraging houses are providing much of the outside liquidity."

New York Times Service

CURRENCY RATES



INTEREST RATES

'n	POCUIT	ency l	Deposi	ts		٠.	Oct. 24
*	Doller	D-Mark	Swiss Franc	Sterling	French Frunc	ECU	SDR
L	912 - 996 996 - 996 996 - 996	5% - 5% 5% - 5% 5% - 5%	3% - 4 3% - 4 4% - 5%	994 - 946 974 - 976 974 - 976 976 - 976 976 - 976	12% - 12% 13% - 13% 13% - 13% 15% - 15%	94 - 94 9 - 94 94 - 94 94 - 18	814 - 54 814 - 9 9 - 514
		ъ.	٠.				

key Money Rates ited States



397,24 394,75 394,50

West Germany's GNP Is Expected to Expand 2% Next Year BONN — West Germany's gross Lambsdorff has predicted 1984 national product will grow an esti-GNP growth at 2 to 2.5 percent. mated 2 percent, after inflation, in Finance Minister Gerhard Stolten-1984 after a 1-percent growth this berg has forecast 1983 growth of at

year, the country's five leading eco-nomic research institutes said in However, the five institutes their joint autumn report released IFO in Munich, DIW in West Berlin, RWI in Essen, the Kiel Insti-The country's GNP, which meatute and HWWA in Hamburg sures the total ouput of goods and said uncertainty remains about the services minus income from operaduration and strength of the recovtions abroad, fell 1.1 percent in

Following the publication of the recovery in West Germany is more report; Chancellor Helmut Kohl marked than was expected in the said the growth expectations point spring when they last reported. to a lasting recovery. He said at a They said that the relatively low meeting of the executive of his value of the Deutsche mark against Christian Democratic Party that has enabled the mark to strengthen

On the trading floor, IBM, which

Merrill Lynch, battered in recent

114 to 2814. The company reported

change, the October contract was

settled at \$398.30, up from \$393.40.

The dollar and the British pound, which are considered safe haven currencies from a flare-up in

the Middle East, moved sharply higher at the expense of other ma-jor trading currencies in early trad-

ing abroad and in the United

The dollar drifted back to just

below 2.60 DM in late New York trading and a bank dealer said, "at 2.60 marks the market is not afraid

to establish new short dollar posi-

In Tokyo, the first market opening following the Beirut bombing, the dollar soared to 233.95 year

to 232.75 yen from Friday's post-

\$1.4995 from \$1.5020 and in New

NYSE Ends Day Mixed After an Early Plunge

NEW YORK - The stock mar- Harris Upham. ket rallied to finish mixed Monday after plunging at the outset in reac-rest of the market along with it and tion to the killing of U.S. Marines that indicates there could be furin Lebanon and a surprising in- ther weakness once this rebound

West German competitiveness.

crease in the U.S. money supply.

Tuns its course," Mr. Raftery said.

IBM and airline issues paced the "A lot of the rebound was rebound, along with Merrill Lynch, sparked by Merrill Lynch's report which encouraged investors by not of some small earnings," said Harreporting a third-quarter loss as many had feared.

"Many people had been fearing a

The Dow Jones industrial aver- loss, age, down 15 points at the outset

On the trading floor, IBM, which
has introduced two new versions of
0.10 to 1,248.98. The closely its personal computer, was the watched average, which shed 14.64 most active points last week, was in an oversold 14 to 128%. condition, analysts said.

Declines topped advances 1,000- weeks, was third on the list, up 1% Big Board volume totaled 85.4 million shares, down from the 91.6 million traded Friday.

The company reported earnings of 38 cents a share, down from \$1.23 a year earlier.

Phibro-Salomon Brothers rose "The Dow industrials rebounded

when selling dried up after the 15-third-quarter earnings of 83 cents a point slide at the opening," said share, down from \$1 a year ago.

Dollar Eases Slightly

After Jumping Earlier United Press International \$393.50. In London, it finished at NEW YORK. — The dollar \$396.125, up \$2.25 from Friday's ased slightly Monday after an ear-

eased slightly Monday after an ear-ly sharp run-up following the kill-ing of U.S. and French troops in Bearnt. Gold and silver prices were In New York, Republic Bank quoted the cash close at \$398 an ounce, up from \$393.50 Friday. On the New York Commodity Ex-

slightly higher.
The bombings in Beirut and other Middle East tensions prompted initial nervousness" that pushed the dollar up to 2.61 Deutsche marks, a dealer said. But New York dealers said the unexpected \$2.4-billion rise in the narrowest measure of the U.S. money supply Friday gave impetus to the ad-

Gold and silver prices were higher when the Beirut bombings prompted "covering by a couple of big shorts," a New York bullion dealer said. These are traders who had sold borrowed gold contracts hoping to replace them at a lower price and profit from the differ-

"Even considering the potential from Friday's 232.10. In New seriousness of the overall Middle York, however, it had fallen back East situation all the short posimoney supply 233.35.
In London the pound eased to tions weren't covered," the dealer said. "There was very little new

York it notched back to \$1,5010. Gold closed in Zurich at \$394.50 an ounce, up from the previous still down from \$1.5025 Friday.

cast growth is too small to have any far-reaching effect on the labor 2.3 million this year but up sharply from 1.8 million in 1982. Unem- to-year basis to 2 percent in the ployment in September stood at second half of 1983.

crease, while halting the rise in un-

In the past, your hard-earned profits

The report by the five research

Economics Minister Otto and productivity and exports to in- 2.13 million, or 8.6 percent of the cent from the 1983 second half to

institutes cautioned that the fore- the 1984 second half, while growth

Application Programs...\$1,894

Specific Applications...\$362

which giants will be clashing for a fast-growing

Well-heeled newcomers — publishers such as

At the same time, the traditional software

tional and Visicorp - which did start on bare-

bones budgets in the mid- to late '70s - are now

(Continued on Page 19, Col. 3)

ders, including Microsoft, Micropro Interna-

Education \$175

1-2-3 (Lotus)

night struggling to write that next great piece of a harbinger of a basic change in the booming software—a set of instructions, usually embed-microcomputer-software business: It is the end

ded in a gray disk, that allows the nation's of the cottage era and the beginning of an age in

But such visions may be unrealistic, for Mr. McGraw-Hill, accounting firms like Arthur

Kapor's accomplishment, dramatic as it may be, Young & Co., and several companies that make

is no rags-to-riches success story. Mr. Kapor software for large computers — have already was amply backed by nearly \$5 million in venture capital. To introduce its personal-computer generates only \$70 million in annual revenue.

programmers working in their basements are and increasingly competitive market.

Incredible Jack

Mastertype-Typing course (Scarborough)

from the 1983 first half to the 1984 first half would be 2.5 percent. market. It predicted that unemployment would reach 2.4 million the GNP growth, only 0.1 percent people next year, a slight rise from the first half of '82 to the '83 first half, would expand on a year-

cent both this year and next after a 5.3-percent rise in the cost of living index in 1982

account surplus of about 10 billion Deutsche marks (\$3.87 billion) this year and "somewhat more" in 1984. The 1982 surplus was 8.55 billion DM. The current account is a broad trade measure that includes merchandise as well as nonmerchandise items such as services.

GM Net Jumped 471% to Record For 3d Quarter

DETROIT - Bouyed by improved European sales and an in-creased demand for larger cars, General Motors Corp. Monday reported earnings of \$737 million in the third quarter of 1983, the best third quarter in the company's 75-year history.

The earnings rep 471 percent from the \$129.4 million it earned in the like period last year and a 39.6-percent increase from \$528 million in the period in 1978, which had been its best third quar-

ter showing.
In the 1983 third quarter, GM had sales of \$17.6 billion, a 23percent increase from \$14.3 billion in the year-ago quarter. GM's third-quarter earnings were \$2.33 a share, compared with 41 cents a share in the 1982 period. Quarterly vehicle sales to dealers

rose 19.4 percent to 1,808,000. The other U.S. automakers will report their earnings later this

The gains exceeded the expecta-tions of auto industry analysts, who traced the improvement to strong demand for the company's luxury models and cost-cutting measures. GM attributed the gains to im-

proved U.S., Canadian and European sales and to reduced downtime for model changeover. They're selling more of the big-

ger cars, the cars with bigger option loads," said Harvey E. Heinbach, analyst with Merrill, Lynch, Pierce, Fenner & Smith Inc. in New York.

However, because of cost-cut-ting measures, "they would have shown better earnings even if the volume had been unch Heinbach said. "The net income was higher than we had been estimating, but the reason for that was a lower-than-expected tax rate."

GM's corporate income tax had

been 45 percent for the first half, but dropped to 32 percent in the third quarter, mainly because of investment tax and employee stock purchase program credits, he said. For the first nine months, GM reported a profit of \$2.4 billion compared with \$818 million a year

Trans World To Spin Off Airline Unit

ago as revenues rose to \$53.8 billion from \$46.1 billion a year ago.

NEW YORK - Trans World Corp. has decided to spin off struggling Trans World Airlines as a separate company, an airline source reported Monday. The airline also reported a third-quarter profit increase of 16 percent The source said Trans World Corp.'s board would vote on the

matter at a meeting Wednesday in San Francisco in a spinoff, the parent company distributes stock in the spunofi

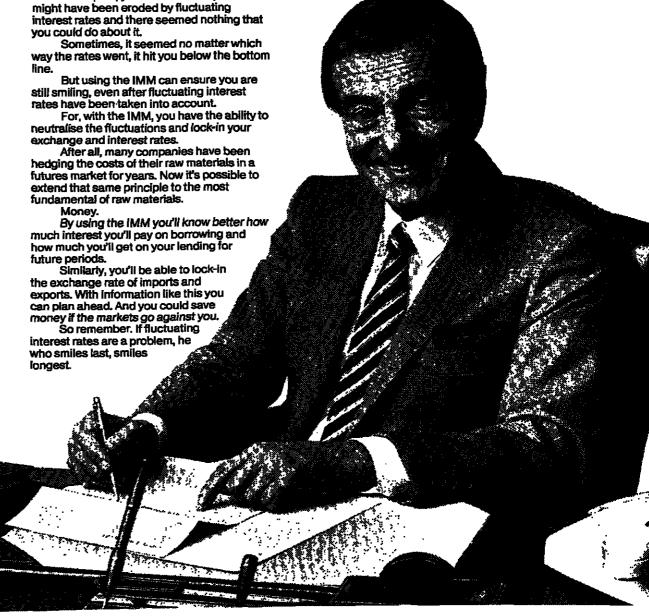
company to stockholders of the Last month, Trans World said it

was giving serious consideration to spinning off to its shareholders the 81 percent of TWA common stock it now owns. The rest is owned by private investors. The distribution would amount

to about 0.93 TWA share for each of the parent company's 28.1 million shares outstanding.

Wall Street analysts said cutting TWA loose from Trans World would make sense, with the surviv-(Continued on Page 19, Col. 6)

GOOD NEWS FOR THOSE WHO DON'T WANT FLUCTUATING INTEREST RATES TO SPOIL THEIR PROFITS



MONETARY

IT'S NICE TO KNOW WHERE YOU STAND

For more information about how the IMM can be of use to you and for a full list of members, please contact Kenth Woodbridge or Richard Heckinger, 27 Throgmorton Street, London, EC2N 2AN, Telephone: 01-920 0722 Telex: 892577 IMMLON G

Monday's NYSE Closing

13th 50 Roy 18 5th 50 Roy 18 5 (Continued from Page 8) 15 Redom JO
4'4 Resci
13'4 Resch C
13'4 Resch C
13'4 Resch C
13'4 Resch C
13'4 Resch 11'2 Resch 11'2 Resch 11'2
20' RNY pi2.12
21' Resch L54
11' Resch 12'
21' Resch L54
11' Resch 12'
21' Resch 13'
10' Resch 12% TDK . 22e
19% TECO 2.04
17% TECO 2.04
17% TECO 2.04
17% TECW 2.60
11% TECW pt4.60
12% TOWN
12 TOWN
12 TOWN
12 TOWN
12 TOWN
12 TOWN
13% TECM
12% TECM
13% TE

United ### 125 |
125 |
United ### 125 |
125 |
125 |
125 |
125 |
125 |
125 |
27/4 16 Tymshr
41/4 2/46 UAL pr2.40
29/4 23 UAL pr2.40
29/4 18/2 UGI pr2.75
18/2 EPA UMET 13/2
29/4 64/4 Unity 4.40
29/4 29/4 Unity 5.40
29/4 19/4 Unity 64/5
29/4 Unity 64/6
2 18 WICOR 2.14 2571 Wochev 1.56 82 Woch #2.20 1671 Wockint .44b 471 Worker **U.S. Future Prices** WMEAT 5,000 by minimum Dec 1,63 Mor 3,73 Mary 3,78% Jul 3,58% Dec 3,78% Est. Salec. Prev. Day Open 1 COFFEE C 37,500 lbs.-c Dec 1 Mary 1 Jul Sep Dec Mar Est. Sales Prev. Day ser ib.
143.70 141.60 143.54
149.70 139.70 140.41
134.90 125.96 136.81
131.25 122.20 133.81
131.00 129.00 129.00
127.70 125.50 127.25
125.54 123.25 124.00
Prev. Soles 1,142
nt. 7,485 up 2 Cents; 142,90 139,70 134,25 132,20 129,60 124,50 124,50 3.43½ 3.42½ 3.40 3.40 115 2.255 3.05 2 339/2 348/4 4 339 338/4 4 339 338/4 4 339 338/4 336/4 336/4 310 310 291/4 338/4 362/4 362/4 3.40% 3.40% 3.40 3.40 3.14 2.93% 3.04

Div. Yid. PE 100s High Law Qust. Chae

30,0001 3852 ,3890 ,3940 ,3998 ,dles (i (2A Jan Akar Akar Akar Jal Sep Oct Jan Mar Est Sales Prev. Day .4917 .4917 .4990 .4960 gles 10 8.23 8.41 8.53½ 8.56½ 8.56½ 8.30 7.52 6.78 6.88 85,819 <u>Financial</u> ### INCITICION

US T. BILLS
SI militon-pts of 700 pet.
Dec 91.08 91.31 11.06 91.07.
Alter 91.08 97.21 11.06 90.07.
Alter 90.48 90.27 90.47 90.48
Jun 90.42 90.42 90.47 90.48
Jun 90.42 90.42 90.47 90.48
Jun 90.40 90.40 90.47 90.40
Jun 90.40 90.40 90.40 90.47
Jun 90.40 90.40 90.40 90.40
Jun 90.40 90.40 90.40 90.40
Fest, Scies 12.076 Prev. Scies 11.110
Prev. Coro (per int. 51.40 en 405
10 YR. TREASURY
S100.000 prio-pts & 25.04 90 90.4
Mor 79.16 79.16 79.10 79.13
Jun 70.42 79.45 79.41 79.9
Seo 78.9 78.11 78.9 78.11
Dec Prev. Scies 1.396
Prev. Soige 1.396
Prev. Soige 77.31
Est, Soige Prev. Soige 1.396
Prev. Day Open Int. 1.337 ep 30
US TREASURY BONDS Sales in Net 199s High Low 3 pm Ch'ge Over-the-Counter COCOA 10 metr Dec Mar May Jul Sep Dec Est. Sal 1927 1937 2000 2010 2075 2115 1928 1959 1985 2009 2029 2056 **NASDAQ National Market Prices** Prev. Day Open Int. 11,317
US TREASURY BONDS
(8 pci-5100,000-gbs 32)ndsc Dec.
(8 pci-5100,000-gbs 32)ndsc Dec.
(9 pci-5100,000-gbs 32)ndsc Dec.
(9 pci-52)ndsc 70-32
Jun 70-3 70-10
Sep 69-32 69-32
Jun 70-3 70-10
Sep 69-32 69-32
Jun 70-32
Jun 70-126.30 120.70 118.70 117.80 117.70 117.50 114.95 114.95 65-12 67-13 64-18 65-12 65-12 64-10 64-10 64-10 64,15 64,16 65,48 64,05 67,40 61,75 70,00 71,25 75,00 71,25 75,75 75,50 74,50 78,50 78,50 44 18% 174 18% 4 148 194 19 19 4 5 224 224 224 494 154 144 15% 4 47 124 129 124 + 6 89 154 156 154 + 6 30 154 254 206 34 254 206 36 274 206 204 376 254 204 Est. Soles Prev. S Prev. Doy Open Int. Act CERT. DEPOSIT 31 million- pised 100 pct Dec 90.22 90.44 Mon 95.98 90.49 Dec 97.46 97.45 Dec 97.47 95.39 Dec Prev. S Prev. Doy Open Int. 22,45 25 25% — ½
6 75% — ½
28 25% — ½
29 25%
10% 10% — ¼
10% 10% — ¼
12% 12% — ¼
121 12% — ¼
131 12% — ¼
131 12% — ¼
131 12% — ¼
131 12% — ¼
131 12% — ¼
131 12% — ¼
131 12% — ¼
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 12% — ½
131 73.00 73.75 75.10 76.50 77.95 73.05 73.75 75.15 74.50 77.85 3 2114 2044 2114 29 1936 19 19 152 1334 1245 1345 + 15 309 22 21 2114 — 34 106 444 475 445 - 15 Domišs Dovidis Drextr Duriron DurFil s Dynsen Dyntch Dysen <u>Livestock</u> Stock Indexes LIVEST

CATTLE
40,000 ibs. cents per lb.
Dec. 59,40 59,47
Feb 59,70 59,40
Apr 61,25 61,50
Jun 61,25 61,50
Cct 61,25 61,50
Est. Sqles 15,594 Prev. 5
Prev. Day Open Int. 46,8
FEEDER CATTLE
44,000 ibs. cents per lb.
Nov 60,85 61,00
Jon 63,70 63,70
Apr 64,70 64,70
Apr 64,70 64,70
Apr 64,70 64,50
Apr 64,70 SP COMP. INDEX. points and cents. Dec 164.29 (4 Mar. 168.05 T) Jun 167.30 T) Dec 171.90 T Est. Soles 25.473 Pr Prev. Day Open Inf. VALUE LINE points and cents. SILVER 5.000 froy Oct Nov Dec Jon Mar May Jul Sep Dec Jan Mor May Jul Est, Sali 58.90 58.40 60.90 63.29 62.55 61.25 cles 1 1114 — 14 24 — 1 2574 — 4 1574 — 14 1574 — 14 1574 — 14 1574 — 14 217 — 14 1172 — 14 1172 — 14 1172 — 14 1172 — 14 1174 — 14 98.00 964.2 98.00 964.8 98.0 964.8 98.0 982.0 97.2 97.0 97.0 981.2 97.0 97.0 981.2 97.0 981.2 103.2 103.2 103.0 10 12% - % - 12% - % - 12% TCA Cb
Tocolvi s
Tocolvi s 956.0 956.0 956.0 969.0 970.0 1010.0 1036.0 1072.0 1085.5 1690.0 1121.4 1135.0 Prev. Day Open Int.
EUROPOLLARS
SI milition-pis of 100
Dec 90.51
Anor 89.42
Jun 89.34
Sep 89.49
Dec 88.67
Ador 88.63
Est. Sojes
Prev. Day Open In 967.0 965.8 977.0 983.0 1002.0 1015.2 1030.2 1080.0 1085.8 1103.4 1121.4 EH Int EastCat EartCat EartCat Ecrap s Elon s ElcRhot 60.10 62.77 63.97 64.25 63.80 63.80 60.05 62.55 63.95 64.05 63.90 63.80 NYSE COMP. INDEX Chicago Beard of Trade: Wheat, corn. soybeans, soybean meal, soybean all oats, fresh broilers. T-bonds, GNMA. 10-yr T-notes. plywood. Chicago Mercanille Exchange: Cottle, feeder cottle, host, park bellies, lumber, S&P composite Index. New York Mercanille Exchange: Moine potatoes. plotinum, heating oil. Coffee, Segar and Cocoa Exchange, New York: Coffee, suppr. Prev. Day Open Int
H065
20,000 bb. - cents per
Dec 42,55
Feb 45,005
Aury 45,100
Jun 52,305
Aury 52,305
Aury 52,305
Cct 51,000
Dec 52,409
Fest. Sales 4,428
Prev. Day Open Int.
PORK BELL. IES
28,000 bb. - cents per
Feb 59,001
Mar 9,500
Ma PLATINUM Stroy ez-dr Oct Jen Jen Apr Jul Oct Est, Soler Prev. Dø 1.20 .01 .40 .10 .52 42.72 45.70 45.40 50.45 52.70 52.45 52.45 1187 86 -09 +18 +26 +15 +19 -15 -15 -45 plotinum, heating oil. Caffee, Segar and Cacoa Exchange, New York: Coffee, Sugar, cococ. Coffee Exchange, New York: Cornectude Cotton. New York: Connect: Copper, silver, gold. Int'l Monetary Market: T-bilis. CD's, Eurodollars, British pound, Canadian dollar. Franch franc. German mark. Japanese yen. Swiss-franc. Kansas City-Board of Trade: Value Line. New York Futter & Exch.: NYSE Composite Index. Commodity Indexes C COR CP Rh s CPR hs CPR hs CPR CPR hs CPR CPR hs CPR hs CACL s C ,20 1.2 .40 2.2 f Close Previous 1,031.40 1,035.20 f, 7,910.70 1,911.70 144.29 1.80 5.1 2.80 50 36 21 1.36 3.4 1.36 3.5 96 27 .16 1.2 1.00 4.1 2.80 4.1 2.80 4.1 2.80 4.1 PALLADIUM 100 truy oz-doi Dec 140 Mor 138 Jun 135 Sep 131 Dec 14 Est. Sales Prev. Day Os 138.20 139.45 134.50 134.95 135.50 134.95 135.00 134.95 140.00 140.00 Soles 547 +23 +25 +.15 Moody's : bese 100 : Dec. 31, 1931. p-preliminary; f-finol Reuters : base 100 : Sep. 18, 1931. Dow Jones : base 100 : Dec. 31, 1974.

232 11 994 1014 + 36 1174 554 + 14 13 — 14 17/4 — 14 17/4 — 14 13/4 — 14 25/4 — 14 27/4 — 14 27/4 — 14 27/4 — 14 Dividends Oct. 24 Paris Commodities Oct. 24 G 9% 57% 9 - 1
504 285/2 275% 275% - 1
47 107% 107% 107% - 1
468 41/2 45% 45% - 1
289 9% 9 9% + 1
289 161/2 155% 155% - 4
160 275% 275% 275% - 4
90 171% 165% 175% - 4
90 171% 165% 175% - 1
161 354 354 135% - 1
161 354 354 514 + 1
462 135% 125% 125% - 1
17 4 4 4 Roures in French Francs per OCG TC
OCISHII s
Ocishii s
Oceaner
Odelica
OffsLos
Va Okisi pic Za
Omanad
Omyx
Ostica s
Orbana 753
Orbana 753
Ostima 16
OwenMar 32
Oxoc 228 64a 59 7 54 775 12 1345 125 20% 75 424 125 1974 137 254 137 254 422 646 16 2374 3 17 61 10% 2.130 2.255 2.350 2.450 N.T. 2,175 2,185 2,275 2,365 N.T. N.T. 2,075 2,260 2,245 2,361 2,420 2,440 1,704 1,770 N.T. N.T. N.T. N.T. 1,705 1,726 1,760 1,760 1,800 1,823 1,841 2,305 N.T. 2,215 2,190 N.T. 2,140 2,130 2,275 2,290 2,215 2,180 2,155 2,140 2,129 # 호 NYSE Highe-Lows SPLIT-STOCK mer Family Corp - 6-for-5
quitable Rencorp - 2-for-1 IMS int ISC (corror to Impell Industry Impell Industry Information Industry 1136 19% 18% 19% - V 1233 14% 13% 13%-1 1256 22 21% 21% - V Amer Family Ca Cordura Corp Date Cerd Cp Equitable Bancorp Kentucky Util Simpson Indus Inc

173 7% 7% 7% 257 32 31% 31%— 525 16% 15% 16%— 40 9 8% 8%— 1340 17% 17 17%—

.40 .10

32

SCI Sy s SRI s Sofeco

\$2 13½ 12% 13 —
176 6% 6¼ 6½
34 18% 18 18½
34 18% 18 18½
342 19% 19% 19% —
52 11½ 11 11
15 9¼ 8¼ 5½ —
27 5% 5½ 5½ —
27 5% 5½ 5½ —
30 22¼ 22 22¼

36 44/4 43 44/4 + /4 54 41/4 40/4 41 — /4 301 35/4 35/4 25/4 + /4 6 19/2 19/4 19/4 - /4 200 14 13/5 13/4 — /4 87 48/4 39/6 30/6 — /6

FINANCIAL OPTIONS GROUP, INC. **FOREIGN CURRENCY OPTIONS**

PHILADELPHIA STOCK EXCHANGE

Miladelphia Stock Exchange Building 1900 Market Street. Philadelphia. Pennsylvania 19103

Telephone: 215/561-3030 (Admin.). 800 FUREICN (Market Info.) Telephone: 212/772-0052 (New York). Teles: 466666 FOX; PHA A CI

Heralde Eribune

Reaching More Than a Third of a Million Readers in 164 Countries Around the World

COCOA Dec Mar Mar Jul Sep Dec Mar 3.19 1,715 1,204 1,375 149 149 149 149 150 + 18 + 14 + 25 + 25 + 15 + 18 + 21 2,300 2,330 2,235 2,193 2,180 2,160 2,140 1,930 1,830 1,832 1,780 1,746 1,720 1,700 5 tons Oct. 24 .15 12-15 11-25 .17 10-31 10-3 .06 12-5 11-18 .15 1-2 12-15 .57 12-15 11-22 .20 12-22 12-1 Angcomp Cartisle Patintratis p Interfat MGMEUA wit Puperurfit Scattyalne Vulcan Inc Boldwiltd Conair n FluorCp LaggMoson Mattel 2 50s Piriliny n Skyline Cp Wayerfrar

AMEX Highs-Lows Oct. 24

NEW LOWS

BSN n Cognitm a Everjn B Kirby ExPa Ronsburg Teisphre n Wassan

== =h2TriSi Crutchr Res IntrichDto Occrit Air SmithAO A n

Japan's Oil Imports Decline

TOKYO — Japanese imports of crude oil fell 0.5 percent in September but were still 6.5 higher than the year ago level, the Ministry of International Trade and Industry said Monday. The 19.6-percent monthly drop imports from Saudi Arabia, Japan's biggest supplier, was partially offset by a 224.5-percent increase in imports from Itan cent increase in imports from Iran, the ministry said.

London Metals Oct. 24 London Commodities Figures in sterting per metric fon. Gasoll in U.S. dollars per metric fon. Copper on spot a months true spot a months true spot a months Zinc: spot 3 months Silver spot 3 months a months 1,413 1,415 1,416 1,426 1,422 1,426 1,421 1,422 1,425 1,426 1,421 1,422 1,425 1,426 1,436 1,447 1,440 1,445 1,933 1,914 1,920 1,912 1,990 1,991 1,842 1,823 1,829 1,767 1,776 1,790 1,791 1,740 1,740 1,791 1,706 1,710 1,705 1,845 1,890 1,801 1,840 1,841 1,785 1,785 1,780 1,780

GOLD Oct Dec Jon Feb Mar Asi Jun Aus • 463 kg

Cash Prices

Commedity and Unit
Coffice 4 Sontes, th
Printcioth 44/30 31 V2, yd
Stael bilets, (Phil.), fon
Itom 2 Fdry, Philo, ton
Stael scroe No I hvy Ptit, Lead Sort, ib
Copper elect., ib
Tin (Streits), ib
Zinc, E. St. L. Bosis, ib
Silver N.Y., oz 1.36½ 0.72 439.60 273.00 62-67 764-72 4.465 6.46 144-141 9.54

Japan Boosts Auto Output

207.50 207.50 2,535.00 2,535.00 2,535.00 2,535.00 2,535.00 2,535.00 4,035.00 4,035.00

940.00 942.00 8.5(2.00 8.425.00 284.00 292.00 592.00 604.00 642.00 656.00

1.832.50 1.633.50 1.643.00 1.644.00 1.646.00 1.666.50 1.646.50 1.669.60 3.146.00 3.147.00 3.138.00 3.199.00 3.236.00 3.237.00 3.236.00 3.236.00

942.00 947.00, 770.00 978.30, 8,540.00 8,545.00, 8,617.00 3,420.00, 286.00 296.25, 295.00 296.25, 607.00 467.50, 638.50 637.00, 652.00 653.00

mery Seen L

#Stock Mark 77 47 - Bash Starm

Salomon Bro

^{Bear,} Stearns & Co.

Milliam Blair & Con

illon. Read & Co.

Goldman, Sachs &

Prudential-Bache

fidder, Peabody &

mith Barney. Harri Dean Witter Reynol

^{A.G.} Edwards & So

^{lob}ertson, Colm**an**

ABD Securities Cor

Mhoid and S. Blei

^{aiwa} Securities An

iuropartners Secur

^{denburg}, Thalma

he Nikko Securitie

Sogen Securities Co

^{ℓ, Ç.} Warburg & Co

TOKYO — Japan produced 1,007,009 cars, trucks and buses in September, a 4-percent increase from September 1982 and the fifth coasecutive monthly gain, the Japan Automobile Manufacturers Association said Monday.

Automobile output rose 6 percent, to 647,502 units, and muck production edged up 0.9 percent, to 355,100 units. But bus production fell 178 percent from a year cardier.

355,100 units. But bus production fell 17.8 percent from a year cardied to 4,407 units.

The trade group also said production of muni-sized vehicles fell in September, in contrast to the strong showing earlier this year, and motorcycle production declined for the 17th straight month, dropping 49.5 percent.

for restraint.

that everyone is on the same wave-

length — everyone knows that the problem is very deep and very

T. Jon Parker, of Harland &

Wolff Ltd., a British shipbuilder,

went further, in saying that no case

can be made for any expansion in

chronic," Mr. Davis said.

industries," he said.

Sears's Profit Rose 73% in 3d Period **And 9-Month Earnings Climbed 89%**

CHICAGO (AP) — Citing a marked improvement in retail sales, Sears, Roebuck & Co. said Monday that its third-quarter profit rose 73 percent to a record from a year earlier, and that earnings for the first nine months soared 89 percent, to another record.

The retailer, the largest in the United States, said it earned \$288.8 million in the third quarter, or 81 cents a share, up from \$166.7 million, or 48 cents a share, a year earlier. Revenue rose to \$8.9 billion from \$7.51

For the nine months, Sears earned \$795.5 million, or \$2.15 a share, up

from \$401.8 million, or \$1.15 a share. Revenue climbed to \$25.1 billion . Edward R. Telling, chairman and chief executive officer, said strong improvement by the company's merchandise, insurance, real estate and inancial-services groups contributed to the results.

Polish Debt Accord Ready for Signing FRANKFURT (AP) - Polish financial officials and Western bankers will gather in Luxembourg Nov. 3 to sign a formal agreement rescheduling Warsaw's 1983 commercial debt, European banking sources said

Bankers involved in the Polish debt talks ruled out any last-minute snags and confidently disclosed plans to get 1984 debt-deferral talks under way as soon as this year; agreement is signed. Terms of the accord covering \$2.6 billion in interest and principal mirror preliminary conditions initialed by Western bankers and Polish officials in Vienna in

 One banker close to the negotiations said Poland's 500 creditor banks have this week to comment on the agreement. "But we don't expect any problems," he added. As in 1981 and 1982, banks were forced to grant the Poles concessions this year, including a longer deferral period and a larger percentage of interest to be recycled into new trade credits.

OPEC Seen Exceeding Output Ceiling

LONDON (Reuters) — OPEC output so far in the fourth quarter may be running as high as 18.6 million or 18.7 million barrels a day, according to estimates prepared for a minister on the market monitoring committee of the Organization of Petroleum Exporting Countries, the Petroleum Intelligence Weekly said Monday.

But the publication said other late figures run closer to 18.4 million barrels a day. OPEC's official production ceiling is 17.5 million barrels a

Committee working papers show that more than half of OPEC's 13 members are significantly exceeding their quotas, it said, adding that OPEC oil ministers are increasingly aware that overproduction not only may lead to a dangerous surplus in 1984, but also would diminish buyers' perceptions that OPEC was determined to act as a cohesive group.

Chrysler, UAW Sign \$1-Billion Pact DETROIT (UPI) — The United Auto Workers union and Chrysler Corp. Monday signed a two-year \$1-billion contract that the union's president, Owen Bieber, called another symbol of the "renaissance of

Bargainers for the union and the automaker signed the contract, which had been negotiated and ratified more than a month ago. The pact gives U.S. workers an immediate pay raise and eventual wage and benefit parity with their counterparts at General Motors Corp. and Ford Motor. Co.

Recovery Seen Lasting Through '85 NEW YORK (AP) — A panel of 35 corporate financial officers

expects the U.S. recovery to continue strongly in election-year 1984 and through 1985 as well, a business research group said.

The panel of senior executives, surveyed twice a year by the Conference . Board, said on Sunday that the gross national product, after adjusting for inflation, would average 4.8 percent growth in the fourth quarter this year, 5 percent in 1984 and 4 percent in 1985. GNP is a nation's total output of goods and services.

Israeli Stock Market Resumes Trading TEL AVIV (AP) - Bank shares were down 17 percent Monday when

the Israeli stock market resumed full trading for the first time in two The drop meant that the shares had lost 40 percent of their market value since the market was hit by panic selling and closed Oct. 9 to avert a

:= = collapse amid a national economic crisis. The decline in the shares' value was announced on the stock exchange floor at the start of trading after major banks spent the night compiling sell orders and set the new stock prices.

Shipowners Are Buying Despite Glut

By Paulette Roberge tional Herold Tribune LONDON — Despite the over-apacity in the shipping industry, hipowners have been unable to resist the current low prices for new

"I always say that there's no logic in buying what you don't need just because it's cheap," said Jim Davis, chairman of the International Maritime Industries Forum, which held its annual meeting in London last week and has a membership of 87 shipowning, shipbuilding, oil and banking compa-nies. "But," Mr. Davis added, "companies continue buying

The excess tonnage in the ship-ping industry is seen partly as a result of low-cost credit advanced to shipowners by banks and the very low rates for new ships offered by shipyards desperate to survive in a shrinking market. The latter are partly kept alive by subsidies from governments anxious to avert job losses and to compete with shipbuilding now concentrated in

In the past six months alone, shipowning companies, unable to resist the low rates for new ships, have ordered 243 bulk carriers. And this is in spite of an annual decline of 4 percent in total seaborne trade from 1979 to 1982.

While owners seem to expect that the worst of the slump is now behind them, and that trading conditions can only improve, they seem incapable of exercising any restraint when it comes to ordering new ships, said H. Rootliep of Nedlioyd Groep of the Nether"Just when things are starting to look up, it is the bulk shipping shipbuilding nation after Japan, is industry itself which is ruining any prospect of a better market by

South Korea, the second-largest shipbuilding nation after Japan, is aiming to become world leader.

Mr. Hong said that Japan "will (Continued from Page 17) flooding it with new tonnage,

lose its seat before long" as the world's leading shipbuilder. He suggested that the industrialwhich, however efficient or economical on fuel, cannot hope to trade profitably until there is worthwhile improvement in rates,"

He suggested that the industrial-ized countries should leave such industries as shipbuilding to na-

tions that are now building their economies. Instead, the industrial Mr. Rootliet said.
"By worthwhile, I mean a sustained rise which would restore nations should concentrate on the spot rates to at least the level at which it is possible to cover all costs and produce a trading surhigher-technology areas in which they specialize.

Mr. Hong was generally viewed as "very hawkish," as described by Mr. Davis said in an interview Mr. Davis. One forum member said that the current slump is forcing that Japan entered an expanding market that could accommodate shrink, but the industry will not competition, but South Korea is turn around unless large-scale reheavily subsidizing its yards to achieve its goal of winning 25 perstraint is practiced soon. The meeting was a successful one, he said, as everyone acknowledged the need market is steadily shrinking.

"I cannot expect that the Free World will stand by and allow itself to be conquered by unconstrained and unrealistic policies, forcing a collapse of the West's shipbuilding industry," Mr. Parker said.

The forum believes that it is gov-ernments that hold the key to the The South Koreans have said repeatedly that their quarrel is not problem, as they encourage the with Western Europe but with Ja-pan. This, said Mr. Davis, is like building of speculative vessels through subsidy, Mr. Davis said. saying that no one in a swimming pool will feel the ripples of two As long as this type of building continues, "there can be no end to the plight of the world maritime people fighting in the corner.
The South Koreans, according to

Mr. Davis, are expanding their mance." shipbuilding industry by offering ships below cost. This, Mr. Davis said, is "less than helpful, and, in-

shipbuilding capacity in the 1980s. He said that the forum fears that But, Hong In-Kie, president of Western European governments
Daewoo Shipbuilding & Heavy would retailate against South Ko-Machinery, one of South Korea's rea by means of intense protectionbiggest shipbuilding groups, said

Plans to Spin Off

This time

(Continued from Page 17) ing airline likely to concentrate on its money-making international routes and cut back its domestic

For the third quarter, the airline said it had an overall after-tax profit of \$75.5 million, up from a \$64.9 million profit a year earlier.

For the first nine months, the

airline had a loss of \$33.4 million, wider than the deficit of \$19.8 million a year earlier.

In addition to TWA, Trans World operates Canteen, a food service; Spartan Food Systems Inc., which operates fast-food services and Hardee's franchise restaurants; Hilton International, operator of 89 hotels in 43 countries and expanding in the United States under the name Vista International; and Century 21, one of the largest real estate franchisors.

All of the non-airline subsidiaries have been profitable while the airline was losing money.

Overall, the corporation said it earned \$88.3 million in the quarter. For the first nine months, Trans World said earnings totaled \$13.6 million, down 48 percent from of \$26.2 million, "reflecting decreases from airline and hotel perfor-

Bid: U.S. \$71/2. Asked: U.S. \$8 As of date: Oct. 24, 1983.

Gold Options (pales to 5/01.)

Nos Feb. May.

10.50 13.50 20.00

Valeurs White Weld S.A

Largest U.S. Real Estate &

Business Expo Miami, Florida February 3-6, 1984 Coconul Grove Convention Center

AMREM 184 Amencan Resource

1, Quai du Mont-Blanc 1211 Geneva I, Switzerland Tel. 310251 - Telex 28305

F.P.S. FINANCIAL PLANNING SERVICES BY Kaiverstrust 112, 3rd Reer 1012 PK AMSTERDAM, Holland. *hone: (0) 20-250477/228873; Th.: 18536

If clients abroad could call you for the price of a local call, how much more business could you do?

You're leaving nothing to chance

on your trip to New York.

Let us show you why so many travelers, faced with a wide choice of fine places to stay in New York, insist on The Waldorf, Or, for that extra touch of privacy and comfort,

The Waldorf Towers. For information and reservations, call

Hilton Reservation Service, any Hilton hotel, or your travel agent. The Waldorf-Astoria, Park Avenue at 50th Street, New York 10022, telex 666747.

The Walderf-Asteria

Then ring Service 800... you get an instant demonstration of how this system works because your local call will be transferred toll-free to our Swiss headquarters.

AMSTERDAM	47.20.98	HAMBURG	44.25 18	MUNICH	1942
BAHRAIN	23,42 41	HELSINKI	64 02 50	NEW YORK	286 09.
BARCELONA	302.22 82	HONG KONG	28 38 76	OSLO	41 61.
BERLIN (WEST	<u> 261.80.13</u>	LISBON	88 30 88	PARIS	(6)079 08
BRUSSELS	218 28 68	LONDON	628 37.51	SINGAPORE	338 <u>D</u> 80
COPENHAGEN	0430 00 08	LUGANO	56 06 29	STOCKHOLM	21.77.
DUBLIN	72.61.75	LUXEMBOURG	48 45 5B	STUTTGART	22.03.
FRANKFURT	29.28.00	MADRID	402.61.31	VIENNA	54.11.
GENEVA	28 17 77	MILAN	345 23 69	ZURICH	302 08

Service 800 S.A., rue du Collège 18, 1260 Nyon, Switzerland



Puts your most distant customer right next door.

Large Firms Focus on Micro Software

scrambling to transform themselves into more powerful, professionally run companies to gird for the challenge. It is clear that tomorrow's software programmers will have to have a lot more than just their dreams; they will also need plenty of marketing muscle and mountains of money to elbow their ay into the fray.
"Lotus was the start of the big

time in the micro-software business," said Esther Dyson, publisher of RELease 1.0, an industry newsletter. "Things will never be the same again." This assessment was shared by Phillip Ingebo, president of Condor Computer Corp., a software company: "The days when you can place one ad in Byte magazine and get started are gone."

The race for capital to compete in the business is already underway. Both Lotus and BPI Systems have gone public - and others at already filed for a public offering, and Micropro International is considering it seriously. "It's not a usually elects to carry only 10 to 12 small ballgame anymore," said of the Wynne Jennings, chief financial of-

ficer of Innovative Software, a lion in a public offering last month.

In fact, the software business is expected to soar to \$11.7 billion in 1988 from \$2.2 billion this year, according to Future Computing, a Dallas market research company. Already the software business is approaching the size of the \$3.5billion record business and the number of new software titles being issued now far exceeds the 2,630 new albums issued last year.

Indeed, there is so much soft-

ware available that the largest company to emerge in the industry so far is not a software producer but a company that distributes the thousands of software products to thousands of software retailers. Softsel Computer Products of Inglewood, California, started in 1980 by two Citicorp employees in their spare time, will have revenue of \$80 milthe top of the software league are lion this year, up from \$35 million soon to follow. Ashton-Tate has last year, according to its chairman, David S. Wagman. Softsel screens 400 new programs a month and

The explosive growth in software

October, 1983

7,000,000 Shares

Common Stock

(without par value)

A. G. Becker Paribas

Alex. Brown & Sons

Wertheim & Co., Inc.

Allen & Company

Rothschild Inc.

Drexel Burnham Lambert

E. F. Hutton & Company Inc.

Lehman Brothers Kuhn Loeb

Wood Gundy Incorporated

Oppenheimer & Co., Inc.

Basle Securities Corporation

Shearson/American Express Inc.

small company in Overland Park, lescence in less than five years — Kansas, which raised about \$4 mil- has, of course, been generated by a has, of course, been generated by a parallel explosion in the computer hardware industry. Personal computers first appeared in the mid-70s. At the end of 1982, there were more than 5 million of those computers, priced between \$50 and \$10,000, in the homes and offices of the United States - and no slowdown in growth is expected.

While there will still be opportunities in the software business, the intensification of competition means companies must pick their targets carefully and avoid mistakes. "It's not like there are no windows of opportunity," said Mr. Kapor of Lotus. "It's like a funhouse, with windows opening and closing with tremendous rapidity."

There are some 6,000 software publishers, according to Mr. Stockett. vet fewer than 100 of them have more than 25 employees.

AMINEM BY American Fesouross Emponum, inc Contact Americas leading Real Estate, Industriel and Commercial firms at AMREM 84.7% More than 10,000 international cuests to attend. Fire seminars For Free Guest Tickets and Further Information write AMREM, P.O. Box 519841, Marris, Plonds 33251. Tel: (305) 851-7076 Telex 153472 Attn. AMREM In the Eighties

AN INTERNATIONAL HERALD TRIBUNE/ OIL DAILY CONFERENCE PARK LANE HOTEL, LONDON, DECEMBER 8 AND 9, 1983

"The global impact of shifting markets" will be the theme of the fourth annual International Herald Tribune/Oil Daily conference on "Oil and Money in the Eighties." The conference will focus this year on what caused the radical shift in the ail market in recent years and what the implications of the turnaround are for the future.

DECEMBER 8

KEYNOTE ADDRESS Donald Hodel, United States Secretary of Energy

U.S. ENERGY: THE NEXT TEN YEARS John Lichtblau, Executive Director, Petroleum Industry

Research Foundation, New York. STRUCTURAL VERSUS CYCLICAL CHANGE IN THE OIL MARKET Moderator: Herman Franssen, Chief Economist,

International Energy Agency, Paris. Robert Mabro, Director, Oxford Institute for Energy Studies. Arie de Geus, Coordinator of Planning, Shell International Petroleum Company Limited, London.

William Finger, Coordinator of Energy Analysis, Excon Company, Houston. ARAB BANKING'S ROLE IN OAPEC COUNTRIES' INVESTMENT STRATEGIES

Abdulla A. Saudi, President and Chief Executive, Arab Banking Corporation, Bahrain. CORPORATE THINKING ON THE ENERGY INVESTMENT

OUTLOOK Robert Anderson, Chairman, Atlantic Richfield Corporation, Los Angeles.

François Didier, Senior Vice President,

Strategic Planning, Elf Aquitaine, Paris. NORTH SEA INVESTMENT OUTLOOK

G. Malcolm Ford, Joint Managing Director, Britoil Plc,

REGISTRATION INFORMATION

The participation fee is £475 or the equivalent in an alternative currency for each participant. Fees are payable in advance, and will be returned in full for any cancellation that is postmarked on or before November 19. Please return the conference registration form to:

The International Herald Tribune, Conference Office, Or telephone: (33-1) 747.12.65. Telex: 612832.

Park Lane Hotel, Piccodilly, London WTY 88X, England. Tel. (44-1) 499 6321. Telex: 21533. Contact: Ms. Henderson. A block of rooms has been reserved for conference partiaipants. For further information, please contact the hotel

Donald Hodel, United States Secretary of Energy, will give the keynote address. He will head a list of distinguished speakers from Europe, the United States and the Arab world. Senior executives in energy, finance and related fields wishing to register for this conference may return the coupon below.

DECEMBER 9

THE ROLE OF THE WORLD BANK IN WORLD ENERGY DEVELOPMENT IN THE EIGHTIES

Yves Rovani, Vice-President, Energy, The World Bank, Washington, D.C.

THE OIL FUTURES MARKET Robin Woodhead, Chairman, International Petroleum Exchange, London, and Managing Director,

Premier Man Group. Kartsen Mahimann, Head of the Oil Committee, Chicago Board of Trade.

THE SINO-SOVIET OIL OUTLOOK Professor Arthur Meyerhoff, Independent Oil Producer and Geologist.

LIVING WITH OPEC James Alans, Former U.S. Ambassador to Saudi Arabia. OPEC IN THE EIGHTIES

Alirio Parra, Director, Petroleos de Venezuelo (U.K.) S.A., London.

THE IMPACT OF DOWNSTREAM INVESTMENT AND PRODUCT SALES IN EUROPE BY THE PRODUCING COUNTRIES

Moderator: Nicolas G. Voûte, Oil Consultant, London and The Hague. Erwin Spuller, Managing Director, Fretoil, Paris.

John Maltby, Chairman, The Burmah Oil Co. Plc, London. Charles de Bièvre, Director, Banque Arabe Internationale d'Investissements, Paris.

CONFERENCE REGISTRATION FORM

181 Ave. Charles-de-Gaulle, 92521 Neutlly Cedex, France.

CONFERENCE LOCATION

Please enroll the following participant for the Energy conference, December 8 and 9, 1983. ☐ Check endosed ☐ Please invoice 25-10-83 Surname First Name **Position** Company Address City/Country Telex

All of these securities having been sold, this announcement appears as a matter of record only.

138 VIEL 1199 See 22 See 23 See 13 See

-63

iester 1

Jupan Boo

TRIBUNE COMPANY

Merrill Lynch Capital Markets

Blyth Eastman Paine Webber

Lazard Frères & Co.

Prudential-Bache L. F. Rothschild, Unterberg, Towbin

Montgomery Securities

Thomson McKinnon Securities Inc.

Arnhold and S. Bleichroeder, Inc. Daiwa Securities America Inc.

Dominion Securities Ames Inc.

F. Eberstadt & Co., Inc. Kleinwort, Benson

EuroPartners Securities Corporation Ladenburg, Thalmann & Co. Inc.

Robertson, Colman & Stephens

ABD Securities Corporation

The Nikko Securities Co.

Sogen Securities Corporation S. G. Warburg & Co. Ltd.

Tucker, Anthony & R. L. Day, Inc. Yamaichi International (America), Inc.

Salomon Brothers Inc Bear, Steams & Co. William Blair & Company Dillon, Read & Co. Inc.

Goldman, Sachs & Co.

Kidder, Peabody & Co.

The First Boston Corporation

Donaldson, Lufkin & Jenrette

Hambrecht & Quist

Advest, Inc.

Atlantic Capital

Robert Fleming

Moseley, Hallgarten, Estabrook & Weeden Inc. Nomura Securities International, Inc.

Smith Barney, Harris Upham & Co. Dean Witter Reynolds Inc. A. G. Edwards & Sons, Inc.

Carrie To

2% FoirmC
12% PedRit 1.24 7.3 18
FdResv
13% Fedrant 1.0 5 14
23% FARKON 59 2.6 13.1 99
19% FiteGE 2.60 12.1 13
27 FiteGE 2.60 12.1 13
21 FiteGE 2.60 15 14
21 FiteGE 2.60 15 14
21 FiteGE 2.60 12.1 13
25% FiteGE 2.60 12.1 13
25% FiteGE 2.60 12.1 14
25% FiteGE 2.60 12.1 15
25% Fite

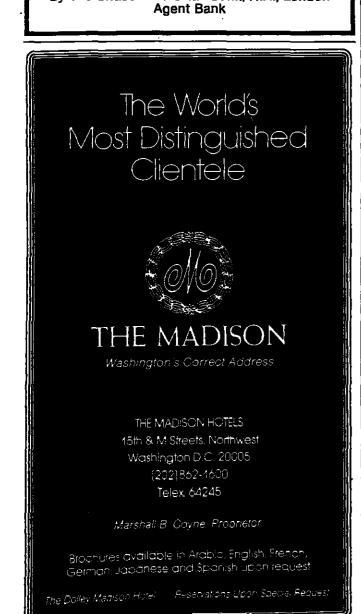
U.S. \$100,000,000 **National Westminster** Finance B.V.

(Incorporated in The Netherlands with limited liability) Guaranteed Floating Rate Capital Notes 1992

Convertible until 1986 into 10 per cent. Guaranteed Capital Bonds 1992



In accordance with the provisions of the Notes. notice is hereby given that for the six months interest period from 25 October, 1983 to 25 April, 1984 the Notes will carry an Interest Rate of 915/16% per annum. The interest payable on the relevant interest payment date, 25 April, 1984 against Coupon No. 7 will be U.S. \$252.58. By The Chase Manhattan Bank, N.A., London

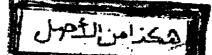


ADVERTISEMENT

INTERNATIONAL FUNDS						
Oct. 24 1983 The net asset value quotations shown below are supplied by the Funds listed						
The net asset value avolations shown below are supplied by the Funds listed with the exception of some funds whose duotes are based on issue prices. The following marginal symbols indicate frequency of quotations supplied for the IHT: (d)—daily: (w)—weekly: (m)—manthly; (b)—bi-monthly; (r)—regular-						
ly; (I)—irregularly.	IIIION SANK OF CONTINUES.					
— (m) Al-Mai Trusi	UNION BANK OF SWITZERLAND: — (d) Amod U.S. St					
BANK JULIUS BAER & Co Ltd — (d) Boerbond	— (d) Fonsa Swiss Sh.,					
— (d) Grebor	— (d) Japon-Invest					
BANK YON ERNST & CIE AG PB 2622 Berry	— (d) Safit South Afr Str SF 506.00 — (d) Simo Swiss R Est SF 216.00					
— (d) CSR Fund	UNION INVESTMENT Frenkfurt					
BANQUE INDÓSUEZ	— (d.) University					
(w) F1F-Amenco \$21,72	Other Funds					
(w) FIF-Pacific \$14.46 (d) Indosuez Multibands A. \$105.48 (d) Indosuez Multibands B. \$145.54	(w) Actibonds Investment Fund SA \$ 20.11 (w) Alexander Fund					
BRITANNIA, POB 271, St. Heller, Jersey — (w) Brit Deller Income	(h) Arlessa 51,400 %					
BRITANNIA, POB 271, St. Heller, Jersey (w) Brit Jodica Incarte \$1,827 \$1,827 \$1,827 \$1,827 \$1,827 \$1,828 \$1,928 .	(w) Bondselex - Issue Pr SF 124.90 (m) Caracla Str-Marianne Ed. \$7.09					
— (w) Brit Monog. Currency \$ 11.05" — (w) Brit Jersey Gilt Fund £ 0.21.9"	(w) Citodel Fund					
CHARTER LIFE INS. GRAND TURK B.W.I. — (w) Growth Strategies Fd II. 2281 — (w) Venture Strategies Fd 2380	(B) COMETE 51,007.5 (B) COMETE 51,007.5 (B) Convert. Fd Int. A Carts 59.5 (W) Convert. Fd Int. B Certs 524.70 (H) Convert. Trust 74.00 (W) D.G.C 567.27 (b) Drukker Invest. Fund N.V. 51,007.1 (C) Convert. Trust 61 Conver					
— (w) Venture Strategies Fd £ 3.09 — (w) Lond Strategies Fund £ 1.56 — (w) Futures Strategies Fund. £ 1.26	+(w) Currency Trust					
	(b) Drukker Invest. Fund N.V. \$ 1,00.71 (d) Dreyfus Fund Inf?					
CAPITAL INTERNATIONAL — (w) Control Ini'l Fund	(d) Dreyfus Fund Int'l \$35.47 (w) Dreyfus Interconfinent \$33.24 (w) East Investment Fund \$37.25 (d) Europe Obligations					
CREDIT SUISSE (ISSUE PRICES) — (d) Actions Suisses	(d) Europe Obligations LF2,154.00 (d) Energy Init, N.V					
CREDIT SUISSE (ISSUE PRICES) -(d) Actions Suisses SF 31250* -(d) Concesc SF 741,00 -(d) C.S. Fonds-Bonds SF 97250* -(d) C.S. Fonds-Inf' SF 8275 -(d) Energie-Volor SF 171,00 -(d) Energie-Volor SF 171,00 -(d) Europa-Volor SF 172,00 -(d) Europa-Volor SF 134,50 -(d) Pocific-Volor SF 134,50	(w) Fonselax Islant Pt SF 17835					
— (d) Energie-Valor	(w) Ferexhald \$8.66 (w) Fermule Selection Fd \$5.87 (d) Fendtalia \$20.34 (d) Frankt-Trust Interzins DM 42.72					
	(m) FuturGAM S.A					
DIT INVESTMENT FFM —+(d) Concentro	(W) GAMUS CORD					
FIDELITY POS 670, Homilton, Bermudo	(w) Housemann Hides, NV \$947.08 (w) Hestic Fund \$95.99					
— (m) American Values Cum, Preisi01.25 — (d) Fidelity Amer. Assets \$ 64.99	(d) Intertund S.A					
— (d) Fidelity Dir, Sygs. Tr \$106.55 — (d) Fidelity Dir, Sygs. Tr \$106.55 — (d) Fidelity For East Fd \$34.03	(#) (III CA #K) LAW CO *** >					
FIDELITY POB 670, Hornilhon, Bermurdo — (m) American Values Common 3 47.57 — (m) American Values Common 3 47.57 — (d) Fidelity Amer. Assots. 54.57 — (d) Fidelity Assots 10 Fidelity Amer. Assots. 54.57 — (d) Fidelity Dir. Svgs. 7r. 5104.55 — (d) Fidelity Dir. Svgs. 7r. 5104.55 — (d) Fidelity Ind Fig. 51.54 — (d) Fidelity Ind Fig. 51.54 — (d) Fidelity Fi	id 1 Impeto DWS DM #197					
— (d) Fidelity Proffic Fund	(r) Invest Atlantiques					
FORBES PO 8807 GRAND CAYMAN Landon Agent 81-837 3013	T Invest Attentiques \$89.23					
(w) Gold Income	(d) Kielmworf Benson Int, Fd \$27.45 (w) Kielmworf Bens. Jos., Fd \$62.67 (w) Leverage Cop. Hold \$161.39					
G.T. MANAGPMENT (UK) LTD	(d) Liquibaer					
G.T. MANAGEMENT (UK) LTD - (w) Berry Poc. Fd. Ltd	(d) Liquiboer 51,17 (w) Lixtund 52,29 (m) Megnethad N.V. 51,19 (d) Medicionum Sel. Fund 512,19 (b) Marteore 71,19 (w) NAAT 51,19 (w) Nipon Fund 52,29 (w) Nor. Amer. Inv. Fund 52,27 (w) Nor. Amer. Inv. Fund 52,27 (w) Nor. Age (investment Fund 52,27)					
— (w) G.T. Asia Fund	(b) Meteore					
— (d) G.T. Bond Fund	(w) Nippon Fund					
— (d) G.T. investment Fund \$ 19.66 — (d) G.T. Japan Small Co Fund \$ 37.55 — (d) G.T. Technology Fund \$ 32.86	(w) NAMF \$ 152.25					
	(m) NSP F.I.T					
INTERNATIONAL INCOME FUND 25-34 HIII 5/, 5/, Heller, Jersey — (a) Shart Term "A' (Accum) \$1,2914 — (d) Shart Term "A' (Distr) \$1,0112 — (d) Shart Term B' (Accum) \$1,1464 — (d) Shart Term B' (Distr) \$2,937	(D) Pletoces					
— (d) Stort Term 'A' (Distr) \$1,012" — (d) Short Term 'B' (Accum) \$1,142 — (d) Short Term 'B' (Distr) \$0,953" — (w) Long Term \$226"	(d) Putnam Intern'l Fund \$55.29 (b) Pri-Tech					
JARDINE FLEMING POB 70 GPO He Ke	(d) Rentinvest					
- (b) J.F. Josen Trust	(d.) Sale Trust Fund					
	(w) Samural Partialip					
LLOYDS BANK INT. POS GE Genevo 11	(w) State St. American					
-+(w) Lloyds Infl Growth SF 933-50 -+(w) Lloyds Infl Income SF 309-50 -+(w) Lloyds Infl Pacific SF 108-60	(w) Strokey Investment Fund. 520.70 (w) Tokyo Pac. Hold (Seo) 582.72 (w) Tokyo Pac. Hold (N.V 3113.36 (w) Transportific Fund 578.69					
CARLEGAE COOLID	(m) Tweedy, Browne N.V					
— (d) Carlesa International \$105.39 — (w) OBLIGESTION	(ii) UNICO Fund DM 7240					
- 10 - 1 - 15 - 10 DOT 644 Consession	(w) Wedge Japan N.V 577.21					
Hayer Bonk or Compact, Fus see, Greensey —+(w) RBC Int'l Copition Fd \$ 14.20* —+(w) RBC Int'l Income Fd \$ 10.71* —+(w) RBC Month Amer. Fund \$ 7.35*	(w) Wedge Pacific N.V					
1	(w) wedge Potinia N.V. 53233 (m) Winchester Overseas 59.16 (m) Winchester Overseas 59.16 (m) Winchester Overseas 57.141 (w) Worldwide Securities S/S 392 543.73					
SOFID GROUPE GENEVA — (r) Porton Sw. R EstSF 1.397.00	(4) MOLIDMING SPECIAL SESSES SINGER					
SWISS BANK CORP SF 483.50	DM — Deutsche Mark; * — Ex-Dividend; * — New; N.A. — Net Avaliable; BF — Beiglum Francs; LF — Luxembourg					
— (d) Delicr Bond Selection \$ 123.96 — (d) Figrin Bond Selection \$1 121.58	Francs; SF • Swiss Francs; + — Offer prices; a — Asked; b — Bid Change PAV					
- (d) Intervator	\$10 to \$1 per unit. S/\$ — Stock Split; ** — Ex RTS; "\$" — Suspended;					
— (d) Swissvolor New Ser SF 241.25 — (d) Univ. Bond Select SF 75.50	N.C. — Not communicated; • — Redempt price-Ex-Coupon; • Formerty					

Herald Eribune Than a Third of a Million in 164 Countries Around the World

OS	17% 7½ PetLew 1.497 16.6 7	312 294 296 296 2 24 10	Til 2001 11.9 31 1614 16	16 1616	
by the Funds listed In Issue Prices. The Its supplied for the	REAL ESTATE TO RENT/SHARE	INTERNA	TIONAL CI	ASSIFIED	LOW COST FLIGHTS ICELANDAR
; (r) -regular -	U.S.A. PARIS IN NEW YORK. Private elevat-		NEW YORK WASHINGTON One way F1750 - round P2890		
TZERLAND: SF 33.75 SF 63.50	ed limestone, just off Fifth Avenue in the Sixtes. Duplex penthouse. lorge	(COIII	inued From Back	Page)	CHICAGO
SF 111.0 SF 78.00	sky-lighted drawing room, 18th century ponelling, fireplace, sky-lighted din- ing room. Small partry latchen. Pow-	C. (7) (1) (7)	AUTOMOBILES	AUTOS TAX FREE	One way F2050 - round trip F3290 Tel: Paris 742 52 26
SF 734.50 SF 155.50 r SF 504.00	der room. Longe bedroom, dressing toom, full both, dosets, Second small	GENERAL POSITIONS AVAILABLE	EXPERIENCED CAR TRADERS for Mercedes, BMW, Porsche, offer full	LAND ROYERS - RANGE ROYERS. All specifications ovailable. Contact	NEW YORK one way \$220, LA \$300 confirmed seats from Landon. Tel-
Frankluri	bedroom, full both, closels. Terrace 16 by 20'. Only other tenont is owner; well cared for. Pet permitted.		Mercades, BMW, Porsche, offer full service import / export US DOT & BPA for tourist & decler, Occarwice Manual A December 4 Communication	Townley Cross Country Vehicles, UK. Tel: 01-301 3773, Teles: 896933, Lon- don office: 01-629 9353/4.	London 734 8100
DM 39.14	il Marcis mem er antre bedream and	I corollel doer for more information	Motors, 4 Duesseldorf, W. Germany. Tel. (0) 211 - 434646, Telesc 8587374.		HOLIDAYS & TRAVEL
nds	both if needed. One or two people only, \$5000 a month, Mrs Walks, 11 East 67th Street, New York City, Tel- (212) 734 65 26.	write: Village Comps, 1296-8 Coppet, Switzerland.	AUTO SHIPPING	CHAUFFEUR SERVICES	DODTIOAL
nt Fund SA \$ 20.11 \$ 16.09	(212) 734 65 26.	GENERAL POSITIONS WANTED	TRANSCAR: Europe's largest for cars, also baggage & household effects	PARIS: English-speaking gentlesson	PORTUGAL
\$ 854.30 \$ 1,400.56 \$ 10.47	REAL ESTATE	ATTENTIONA Personnelle unit school	TRANSCAR: Europe's largest for cors, also baggage & household effects workwide. Contact Lossian E14, Dan- des Worehouse, Three Colt St., Tel- 01-515 6684. Genevo 1219, 37/38	PARIS: English-speaking gentlesson with car, well act as your secretary / chaufteur. Free to Iravel. 647 52 82.	7 DAYS INCLUSIVE TOURS
SF 124.90 pe Fd . \$7.09	WANTED/EXCHANGE	ed young woman, organizing talent (27), from decent family, pleasant op-	Ave du Lignon., Tel: 96 55 11. 6000 Fronkfurt. Frochtoeboude 458A.	LEGAL SERVICES	FROM PARIS TO:
d \$2.14 d \$1,819.97 \$1,007.50	dupley central Proje for rimitar in	The state of the s	Frankfurt, Frachtgebaude 458A, Frankfurt Airport, Tel: 0611 690 2518. Munich 21, Landsberger Str. 191a,	EUROPEAN COMPANIES	
rts 59.50 rts 524.70 74.00	Hong Kong for a couple of months. Box 754, Herald Tribune, 92521 Neurlly Cedex, France.	looking for serious travel apparturi- ties - lourism, commerce, representa- tion, diplomatic service. Meeting in	Munich 21, Londsberger Str. 1910, Tel: 57 20 77. Brussels 1000, 165 Rue du Midi, Tel: 513 4150. Paris: ECONOPAK, 41 rue Ybry, 92200	seeking exponsion of business activity in the USA and needing advice on corpo- rate structure and tex arrangements	USBON
5 <i>62</i> 7	Paris 87H. Furnished flat to share, F2500, man preferably, please con- tact Amold, home. 563 62 S4 / office: 563 80 19, Paris.	Amsterdam possible. Box 16020, Fler- old Tribune, 92521 Neutilly Cedex,	/ THE MAY SUF SELECTION (11/30) 12/42	I ON ANAMORABLE VICAL FOR INV DEC.	ALGARVE
\$35.47 nt \$33.34 d \$341.35	LOUTENALIST SEEKS TO RENT unfur-	LAPANESE MALE to coordinate and	TRANSCAR 20 rue Le Sueur, 75116 Paris. Tel: 500 03 04, Nice: 83 95 33. Antwerp 233 99 85. Connes 39 43 44.	I low from a franchism correspondent off.	Pieces Contact: Peels, Tels 742 59 81; 742 52 64
LF2,354.00 539.64*	nished apartment, 2-3 rooms. Central Paris. Call 747 12 65 eat 552.	assist incoming Japanese groups for four operator in Paris. Must also know	AUTOS TAX FREE	ice: P.O. Box 1; 1291 Communery, Switzerland. Tel: Genevo 76 14 00 and 76 15 00. The 27612 MB CH.	742 54 97. The 220550.
\$11,513.58 \$F 178.95 \$8.44	EMPLOYMENT	ence in travel agency work preferred			FROM ZURICH TO:
d SF 85.67	EXECUTIVE	and willing to work hard and offen unusual hours. Send C.V., details of work experience and education in English and photograph to Box 749, Herold Tribune, 92521 Neuilly Cedex,	FOR YOUR 1984 MODEL MERCEDES CARS "EUROPEAN SPECS", CONTACT:	SERVICES	USBONSF1092
dins DAN 42.72 \$99.13 \$101.42	POSITIONS AVAILABLE ATTORNEY WITH 2-4 YEARS experi-	work experience and education in English and photograph to Box 749,	The largest Marcedes dealer in Europe	YOUNG LADY	LISBON SF1092 ESTORIL/CASCAIS SF1150 COSTA VERDE (OPORTO) SF1200
\$ 77.23 E \$ 106.38	ence sought by int'll petroleum ser-	POSTRON CONCUT ANDVARAGE	More than 50 keeps limourines in	PR / Interpreter & Tourism Guide	ALGARVE SF1350 MADERA SF1250
\$75.59 \$11.22	large multimational group. French le- gal training preferred. Originally Par- is based, but must be free to transfer.	Europe. Secondary certification histo- ry and government. Skilled writer /	HEAD OFFICE TRASCO EXPORT LID	D	Please contact: Geneva Tak 28 31 44; The 42/520
	Excellent apportunity for attorney who has the mativation & skill to suc-	editor. Experience teaching, advertis- ing, university recruitment / develop- ment / exhibitorisms Action CASS Tol-	6312 Steinhousen Switzerland		For other programs and detailed information, ask your
\$18.93 \$8.47	ceed in an int'il business environment. Apply in confidence with CV to Bax 752, Herald Tabune, 92521 Neully Cedex, France.	Europe. Secondary certification histo- ry and government. Skilled writer / editor. Experience teaching, orbertis- ing, university recruitment / develop- ment / publications. Active CASE. 16th Switzerfood 21-545002 or Box 16015, Herold Tribune, 92521 Neurity Cedex,	Switzerland Tel: 0041-42-36 77 70 36 78 38 The 865318 TRAS CH	NEW YORK	TRAVEL AGENT
DM 40.91 S 89.23 A 99.49	Cedex, France.		SHOWROOM + GARAGE	U.S.A. Tourist Guides, Trovel Companions, All Nationalisies, Crack Carak Accepted. Tel: 212-765-7896 or 212-765-7754.	
5721/F LF1/571	EXECUTIVES AVAILABLE	RENCH WOMAN, 36, 16 years ex- perience, used to responsibilities, cus- tomers contacts. Fuent English, free to travel, seeks into as PA. to mono-	TRASCO EXPORT GMBH Steindown 38 D-2800 Souther 77	Tel. 212-765-7896 or 212-765-7754.	CHARTER A YACHT IN GREECE Direct from owner of largest fleet, American monogenent, Excellent
Fd \$21.45 Fd \$42.67	MOROCCAN EXECUTIVE, 35 years, excellent references. Int 1 bonding expe-	to travel, seeks job as P.A. to mana- ger. Bax 751, Herald Tribune, 92521 Neutly Cedex, France.	D-2800 Bressen 77 Tel: 0049-421-636-3988 The: 246624 TRASC D.	ZURICH	American monogeness, Escellent crews, govt. bonded. Voist Yachts, Als Themstoldeus 22C, Froust, Greeca. Tel. 452957, 4529486. The 21-2000. USA efficies. Fir Bond. Ambler, PA 19002. Tel. 215 641 1624.
\$1,117 \$53.93	I rience, Milinguel Arab, French Frankh	LAW SCHOOL GRADUATE NYS box, texching low to GTs stells employ-		YOUNG LADY - PR IN ZURICH.	21-2000. USA offices. Fir Road. Ambler, PA 19002. Tel; 215 641 1624.
nd 518148 nd 51317	High level contacts in Africa and Arab world. Free to travel. Willing to consid- er Geneva- or USA-based offers. Free	ment as attorney. Good knowledge of German. Thomas Morse, Gutsmuthsstr. 13, D-1000 Berlin, 41.	ROLLS-ROYCE BENTLEY	ZURICH \$30 52 42	HELLAS YACHTING, Yorks Charles, Academias 28, Athers 134, Greece.
5 97.06 5 10.15*	January 1984. Reply Box 16017, Herald Tribune 92521 NeuRy Codex, France.	YOUNG FRENCHMAN seeks position with US foreity as bobysister / chauf- feur. (90) 65 65 54 France.	BRITISH MOTORS	INT'L PR & TOURIST GUIDE,	HOTET S
und, \$98.00	DIRECT RESPONSE ADVERTISING. American, 29, seeks temporary / per-	EDUCATIONAL POSITIONS	WRIGHT BROTHERS	INT'L PR & TOURIST GUIDE, to easist you Peris & emports, 527 90 95	U.S.A.
\$152.25 \$135.41 ENV, \$31.35	monent job Paris, Fluent French. WRITE NOW for details including 14	AVAILABLE	MONTE CARLO Principality of Monuco Tel: (93) 50 64 84	INIT'L PR & Tourist Guide to assist	TUDOR HOTEL, 304 East 42nd St., New York City. In fashioupble, East
513.84 I.V 51,903.74	years Europe & recent NY opency ex- perience. Box 744, Herold Tribune, 92521 Neutly Cedex, France.	MUSIC SCHOOL SEEKS	Telev- 440474 MC	you. Paris & airport. Tel: 527 90 95.	Side Manhalton, 1/2 block from UNL' Single from \$50; doubles from \$66
\$ 952.32 5 \$ 55.29 901.97	TRANSPATOR/TYPICT female 24	piano leachers, maximum 40 years old, speaking French. Tel: Paris 500 88 23 Saturday, (10 cm -12,30 pm)	Official Direct Factory Dealer Can Supply Worldwide Established since 1925	PARIS 553 62 62 - V.LP. PR LADY, Young multingual personal assistant,	Teles-422951. Tel-800-522-7558
\$2,615.05 \$48.20	French mother longue seeks position. Paris 878 42 91.			int'i travel composition. AT ONCE - MOTE THIS PHONE IN your clicry. Paris 757 62 48 your V.L.P.	FOR SALE & WANTED
57.04 SF 86.05"	CENERAL POSITIONS AVAILABLE	DOMESTIC POSITIONS WANTED	TRANSCO	trovel - composion. HONG KONG / KOWLOON, Tel:	FOR SALE G.E. WASHER, G.E. dryer, single bed blankets. Bunk beds with
DM 114.00 S 136.83	PROFESSIONAL CONSULTANTS.	MISS M. MORLAN Institute diploma.	TAX FREE CARS	NEW YORK Young Lady, PR / PA /	bookcase & drawers. Kitchen cup- boards & Romers stove. Paris Mr Lai-
Hotga NV 98.77 Fund. 520.10	American Based F-100 Multinational Information Services Company seeks blingual professionals (individuals or	nursery nurse, 27, driver, seeks job with new born boby and one other child. Sole charge & capable of total	We keep a constant stock of more than one hundred brand new cars,	YOUNG LADY, incust chaffeuse	for 544 £960 day and 320 0797 PM
3 552,72 \$113.36 \$78.69	firms) to deliver sales framing courses to employees in France, boly, Germo-	household management for busy mother, Prefers France but would	competitively priced. Send for free cotologue & stock Est.	YOUNG LADY COMPANION, THE	PAGES 24 & 23
00.E44,1 2 19.89 2	ny, or UK. Instructors will attend two month training course in USA starting.	Sporty, from a good background, ex-	Transco SA, 95 Noorderlaan, 2030 Antwerp, Belgium. Tel: 03/542 62 40, (10 lines).	PARIS BEINGUAL ASSISTANT to	FOR MORE
DM 72.60	Jan '84. Consideres must have out- standing presentation state and be	cellent English speaking voice. This is a first class namely for a first class	Tet: 03/542 62 40, (10 lines). The: 35207 TRANS B	husiness executive, 500 58 17 Paris. NITL P.R. / BUSINESS Assistant, Tel:	CLASSIFIEDS
\$77.31 \$53.20 \$62.93	fluent in target country language. Please forward CV to Mr. Roymond Karbonium The Konton Gram, 1634	family, Ref. 830080, Call London 730 8122 (24 hour) Sloane Bureau (Lic UK) MUSS. J. Troined certified navay		828 77 32. LADY INTERPRETER travel companion. Tel: Paris 633 68 09.	
ied 99 521.6] - [Kosborian, The Koppo Group, 1534 Route 23, Wayne, N.J. D 470 USA. ACTIVE AMERICAN NEW YORK-	NESS. Age 33, convert educated.	Mercedes, Range Rover Buy for less in Europe from the leading	Public Relations Paris 747 59 58 English - French; trovelling assistant,	
S/S 3% \$43,73 /S 2½ S 1,564,16 — Ex-Dividend:	based executive, youthful, 50, seeks female existent for home & travel.	tanglish and Arabian families, seeks position in London or overseas. Ref.	UK company for all makes of cars & I	HONG KONG / KOWLOOM, Tal. (3) 72/3301 lody interpretar,	Herald
Available; BF	Must be intelligent. English speaking of athletic, mid-20's. Send full details & photo. Write Box 48167, IHT, 63 Long	\$30051. Call London 730 8122 (24 hours), Sloane Bureou (Lic LIK).	specialist conversions. Contact: Symbol, 66-70 Park Lane, London. Tel: 491 8845. Teles: 8813663.	PARIS PR YOUNG LADY 527 (1) 92	Tribune The
encs; + — Offer Bid Change P/V Stack Spilt; ** —	Acre, London WCZ.	PRENCH GERL, 22, good English & ex- perience with children interested in		Trainguel & travelling composition, TORYO LADY COMPANION, PR Parsonal assistant, 03-587-0047.	nowspeper that put the
 Suspended; Redemet 	WANTED: MODEL / ACTRESS, must be of beautiful looks, for on American film company. Please send resume	being au-poir abroad. Free now, 5. Schlogel, 180 rue de la Pompe, 75016 Paris or call: [1] 727 (1) 55.	BUROPORT TAX FREE CARS All makes. Call for free catalog.	LOW COST FLIGHTS	class in
Formerly — Dutch Florins	with pictures for an immediate inter- view. Box 746, Herold Tribune, 92521	ENGLISH NANDERS & Markers Heine	Box 12011, Rotterdom Airport, Holland. Tel: 010-623077. The 25071 EPCAR NL	TO USA or WORLDWIDE contract	advertising
	Neutly Cedex, France.	free now. Nash Agency, 53 Church Road, Hove, UK. Tel: (02/3) 29044/5.	!	your US travel agent: Paris 225 92 90	The state of the s
					the state of the s



ITS

American Medical to Purchase Lifemark

HOUSTON - American Medical International Inc. said it had agreed to acquire Lifemark Corp. in a transaction valued at about \$1

If completed, the merger would create the second-largest U.S. hos-pital-management company behind Hospital Corp. of America. The acquisition of Houston-based Lifemark by American Medical, based in Beverly Hills, Califor-

be exchanged for 1.7143 shares of a contract basis.

American Medical stock, Based on American Me

American Medical's closing price of \$27 a share on the New York Stock Exchange Friday, Lifemark shareholders would receive \$46.50 a share worth of American Medical common stock,

Lifemark operates 25 hospitals nia, is subject to approval of both and other medical facilities, pri-companies shareholders as well as marily in the southern United

Floating Rate Notes

Non Banks

الانتون - ت - ت -

1

government regulatory agencies, States. The company also provides the companies announced Sunday. management, pharmacy, cardiothe companies announced Sunday. management, pharmacy, cardio-Under the proposal, each of Lipulmonary and physical-therapy femark's 21.8 million shares would be exchanged for 1.2142 shares would

American Medical owns, oper-ates and develops hospitals and provides health-care services in more than 500 cities worldwide.

In the year ended Aug. 31, American Medical earned \$101.5 million, or \$2.05 a share, on revenue of \$1.68 billion. In 1982, Lifemark had net income of \$27.8 million, or \$2.47 a share, on revenue of \$483

The agreement came less than two weeks after Lifemark said it had held talks with at least two of its major competitors, including American Medical, about the pos-Sibility of being acquired.
Lifemark also granted American Medical an option to buy 3.55 million Lifemark common shares at

\$45.50 each, and an option to buy four Lifemark hospitals for \$258 million under certain conditions.

Mesa Group Lifts Gulf Oil Stake

AMARILLO, Texas — Mes Petroleum Co. said Monday that a subsidiary and other investors have increased their holdings in Gulf Oil Corp. to about 10.8 percent of the common stock outstanding. .

Mesa's president, T. Boone Pickens Jr., said the investors were assessing their options with respect to the Gulf stock. A company statement said that while no particular course of action had been decided, "it cannot be assumed that the investors will be passive."

Mesa said that the group now shares, for which it paid about \$791 million. The investors have said that they have set aside \$1.1 billion to buy Gulf

percent from a year earlier despite a 55-percent rise in sales.

Another leading computer maker. Prime Computer Inc., said its third-quarter earnings fell 32 percent, although revenue rose 20 per-

competition in the market for business computers, and analysts say the competition in Apple's and Prime's markets is coming particu-larly from a more-aggressive Inter-national Business Machines Corp. "The marketplace continues to

be intensely competitive and price competition is particularly strong. Joe M. Henson, Prime's presiden and chief executive officer, said. Apple, based in Cupertino, California, said profit for its fouth quarter ended Sept. 30 fell to \$5.1

Apple Says Net Plunged 73% in Third Quarter

NEW YORK - Apple Computer Inc., confirming its earlier esti-mates, said Monday that its fiscal fourth-quarter profit tumbled 73

Both declines reflected strong

New Issue in Canada

million, or 8 cents a share, from and other machines, and to empha- and several strategic decision

million from \$175.8 million.

For the fiscal year, however, Apple's profit climbed 25 percent to \$76.7 million, or \$1.28 a share, from \$61.3 million, or \$1.06 a share. Sales rose 69 percent, to \$982.8 million from \$583.1 million.

Apple, a leading maker of desk-top computers, had said in September that its fourth-quarter earnings would be down from the year-earlier quarter to about \$5 million to \$8 million.

Apple is undergoing a change in

million.

Apple is undergoing a change in product and marketing strategies to compete more effectively against 1BM's popular personal computer announced, "market conditions

\$18.7 million, or 32 cents a share, a size its attention to new technologies. Part of that effort involves million.

Example 175.8 million.

The shall seem a share a size its attention to new technologies. Part of that effort involves increased new product development.

Meanwhile, Prime Computer and a leading maker of minicom-puters, said third-quarter profit fell from \$11.2 million, or 25 cents a share, a year earlier. Revenue rose

earnings tumbled 31 percent to \$22.5 million, or 47 cents a share, from \$32.7 million, or 72 cents a share. Nine-month revenue was up 18 percent, to \$373.7 million from

October 1983

to \$131.2 million from \$109.2 mil-

New Confidence Spurs Paris Bourse

By Audrey Stuart

PARIS — Hopes remain high that a nine-month boom on the Paris Bourse, sparked by a surge of foreign investment, will last until the end of the year, Bourse analysts

The share index rose more than 40 nement in the first nine months of 1983, when total volume on the stock exchange increased 61 per-cent, to 236 billion francs (\$29.9 billion at current exchange rates), from the like period in 1982.

Foreign confidence in the French economy was raised earlier this year by the Socialist government's package of stiff measures to check the country's high inflation and large foreign trade deficit.

The austerity measures have started to show positive results in recent months and, with the improved profit performance of many French companies, are continuing to draw foreign investors.

Yves Flornoy, president of the Stock Exchange Association, said he believed that France had passed the worst of the recession. A further devaluation of the franc later this year now seemed less likely, which, in turn, would slightly dampen foreign interest in the Bourse, he said.

Share prices in Paris rose sharply just before the last devaluation of the franc in March, with foreign investors taking advantage of the falling French corrency. Mr. Flornoy said another reason

for the strong performance of the Bourse since the start of the year Trade Minister Kazuo Sugiyama, was that share prices in Paris remained very low last year, while watch the trend of exports.

especially in New York, shot up-

Paris prices fell slightly last week, but Mr. Flornoy and other analysts said the price slippage was not a sign that the upward trend is reversing. Prices were bound to level out to allow the market to adjust to its new higher level, Mr. Flornoy

But to ensure that more investment would continue to flow into the stock exchange, the French government needs to produce still more incentives to induce people to put their money into long-term investments, according to leading in-

The first step to reform trading on the Bourse was finally taken Monday after 12 years of planning. The stock exchange moved to

Japan Starts Panel **To Watch Exports**

TOKYO - Japan's Ministry of International Trade and Industry said Monday that it has set up an committee here to monitor exports of Japanese goods. This is part of the government's

economic package, announced last Friday, to stimulate the domestic economy and reduce the trade surplus, expected to rise to the equivalent of about \$30 billion in the year ending next March 31, it noted.

The committee, headed by Vice will have several subcommittees

end of March 1984 and unify prices at the forward market level

Another element of the plan, this one designed to attract smaller investors to the market, will begin in January. It will reduce the minimum number of shares that investors must buy or sell, from lots worth 7,000 francs to lots of about 5,000 francs for most shares and about 4,000 francs for the 25 most traded shares.

FINANCES ET MANAGEMENT S.A. LENSIAN LAUSANNE

We offer all types of financial management. Our strategic investment program as well as our **bi-monthly new** technology for investors newsletter offers minimum risk, with maximum profit potential, Our special report of a company with substantial potential for gold and silver production, are both yours at no charge or obligation. Fill in the coupon and mail today.

I would like to receive the FIMA FIMA

8. Rue Kleberg BOITE POSTALE 820 1211 Geneva 1

These securities having been sold, this announcement appears as a matter of record only. A circular is available upon request.

Can. \$42,290,000

The Municipality of

Metropolitan Toronto

(Province of Ontario, Canada)

\$40,000,000 Sinking Fund Debentures and \$2,290,000 Instalment Debentures

Principal	Coupons	To Mature	Offering	Yield to	
Amounts		November 15	Prices	Maturity	
\$40,000,000	12%	1993	99.25	12.13%	
2,290,000	10½%–12¼%	1984-1998	99.48	11.60%	

Dominion Securities Ames Limited

Wood Gundy Limited

McLeod Young Weir Limited

Merrill Lynch Canada Pitfield Mackay Ross Burgess Graham Securities Andras, Hatch & Hetherington Walwyn Stodgell Cochran Murray Daly Gordon Securities

F. H. Deacon, Hodgson

Canadian Imperial Bank of Commerce The Toronto-Dominion Bank

The Bank of Nova Scotia The Royal Bank of Canada

Chemical on Bank-to-Client Communications:

There are so many claims in Cash Management, you have to question whether they are innovations for their own sake, or for yours. At Chemical, we don't call it news unless we can really improve the way we and our customers communicate with each other That kind of commitment is Chemical's tradition. It's made us the brains in the business.

Today, our Financial Services Division offers corporations a remarkable cash management system. DirectLink.™ Bypassing manual operations and terminal printouts, our DirectLink service lets your computers retrieve detailed balance and transaction information at high speed,



directly from our data base. This gives you enormous flexibility and introduces electronic accounting.

Highly innovative? Unquestionably. But it's a logical extension of Chemical's pioneer services, ChemLink® and Data Exchange And these will continue to set the standards for thousands of corporations and banks, all over the world.

We're also leading the way in corporate-to-corporate trade payments, with expanded Electronic Funds Transfer capabilities to link all your funds movement needs to our systems. Immediate, effective,

Innovative technology is only as good as the results you get. We keep you right on the money.

CHEMICALBANK

Innovation is being right on the money.

CHEMICAL TAKES YOU BEYOND TRADITION:

5

33.

202 4 4 4 3

<u>7-17-17-18-5-18-8</u>

· 在在17年 (1771) 1985 年

And the second of the second o

range in the least to the control of the control of

ಪ್ರವಿಧಿಕ್ಷದ ಚಿತ್ರಕ - ೩೨ minimum of the

es il la cation

action in the first in the fir <u>ಆದು ದ ೧೯೦೮ರ ಕಾರ್ನೆಯನ್</u> and the manage ಶಿವರ ಕೊಂಡಿ ಚಿತ್ರಗಳ

armen in the smooth

amera de las Ang

The State of the Control

SECTION OF THE SER

Continue School

अकेल कर के के कि किस के कि अपने किस के किस के

नियामा शिक्ष ५५%।

German Lather and

Tree Land

± == : riziren ur mendi

251,700.00

14.

... 0

65 External

66 Passageway

67 Honshu city

68 Char

for Pompey

70 Bren and Sten

DOWN

71 Obliterate

1 Autumnal

sounds

2 In a frenzy

3 Decision at a

christening

4 Secondhand

5 Flaunt

6 Slope 7 Desk type

8 Cigar or

leather

follower

9 Stiff: dull

11 Herd

12 More

ACROSS 1 Stitched quickly 6 Multiplied

10 Boundary 14 Biblical Commander 15 Newspaper

. sect. 16 Medical device I7 Artist Winslow 18 Chorus member

19 Pear or quince 20 Made tracks 22 Declare 23 Practice girth control 24 Comes in

26 Deteriorate 39 Steinbrenner, to the Yankees 32 Collier's access 33 Stare in

surprise 35 Delay bedtime 39 Muscle conducive to

turning 41 Phoenician's Aphrodite 43 Play 44 Group of

46 Row 47 Airport tower

21 Wild dog of 51 Spanish saint 54 Concerning Australia 25 Snug retreat 56 Gobian 26 Hospital unit 27 Perfume 57 Sudden departure 63 Grotto 28 "Rio____ 64 "When the 29 Cattle in a frost ——the punkin": Riley

31 Sound state 34 Bow for Amati 36 One of triplets 37 Shoshoneans 38 The elder 40 Scottish lake

42 Kind of trooper 45 Mythical horselike beast 48 Cargo 50 Remove from office

52 Muse of love

51 Silent

and river

poetry 53 Split 55 British nursemaids 58 Edomites progenitor 59 Naturalist

John: 1838-1914 60 Sicilian volcano

61 Photogs. developments 62 Banvan or

O New York Times, edited by Eugene Maleska.

courageous 13 Those who

DENNIS THE MENACE



"MARTHA, WOULD YOU GET THAT AWAY FROM HIM BEFORE EVERYTHING BECOMES A NAIL?!"

JUMBLE THAT SCRAMBLED WORD GAME
by Henri Arnold and Bob Lee MOVEN **RABIR** GOUTIN THE MINER DIDN'T KNOW WHETHER HE HAD STRUCKTHIS. WHOALL

Jumbles: VAPOR ELITE THORAX CIPHER Answer: "Is it going to be a local or a general anesthetic?"—"YOU CAN HAYE ETHER"

WEATHER

EUROPE <u>ASIA</u> Bangkok
Beiling
Hone Kong
Manila
Hew Dethi
Segai
Shanghai
Shanghai
Taipei
Tokyo
AFRICA LATIN AMERICA Evenos Aires Lima Mardoo City Rio de Janeir 500 Paulo NORTH AMERICA MIDDLE EAST **OCEANIA** UESDAY 3 FORECAST — CHANNEL: Slight, FRANKFURT: Gloudy, Temp.

3 (23—26). LONDON: Portly Cloudy, Temp. 13—2 (25—34). MADRID: Policy, 1979.

23—11 (26—23). NEW YORK: Cloudy, Temp. 13—7 (25—35. PARTS). Orly; Cloudy, Temp. 14—1 (34—30). ROME: Cloudy, Temp. 14—1 (34—37). RISL OVIV.: Portly cloudy, Temp. 23—12 (79—51). ZURICH: Folk, Temp. 14—2 (25—17). BANOKOK: Thunderstorms. Temp. 34—25 (73—77). HORO Condens: Showers. Temp. 25—26 (77—72). MANILLA: Showers. Temp. 25—26 (22—77). SEOUL: Temp. 15—26 (23—77). SEOUL: Temp. 15—26 (24—77). SEOUL: Temp. 15—26 (25—77). SEOUL: 15—78. Temp. 15—26 (26—77). Temp. 15—15 (44—52). PEANUTS



DAGWOOD,

ALEXANDER.

TOUNG TO 25

BEETLE BAILEY

I DON'T KNOW

THAT I LIKE

YOU TAKING

UP TENNIS

BREAKFAST IS

READY! N

DEAR SNOOPY... MY FRIEND AND I ARE making a Painful JOURNEY ACROSS THE COUNTRY TO SEE YOU'

LEAVE NOW FOR

THERES

TENNIS

PLAYERS

SOMETHING

MEAN ABOUT

ISCHOOL.

AND WORK







LOOK AT MC ENROE.

CONNORS ...

NASTASE ..











that's **discusting!**



and you were

WORRIED ABOUT

HER?

GARFIELD

10-25



TO MAKE

TROUBLE!

WHY DIDN'T YOU TELL I WANTED TO-YOUR FATHER THAT BUT I COULDN'T!

MOTHER WAS DRINKING) I DIDN'T WANT

I KNEW A CAT WHO WAS SO UGLY, HE HAD TO TIE A SQUIRREL AROUND HIS NECK TO MAKE THE POG CHASE HIM

Canadian Stock Markets

High Low Close Char

Toronto



TMUCH, I GUESS!





Oct. 24

Montreal

261/5 2674 + 1/6 221/6 225/6 - 1/6 181/5 181/6 - 1/6 17/5 177/6 - 1/6 17/5 177/6 - 1/6 17/6 221/6 - 1/6 261/5 221/6 - 1/6 261/5 281/6 + 1/6 261/6 281/6 + 1/6

22028 Bank Mont 2400 Con Bath 277 Dom Tr.d A 21549 Nat Bk Cda 1400 Power Cara 1200 Roll and A 14276 Royal Bank 16500 Roy Tr.d Co 200 Stelebra A Total Sale

1500 Korn Korlis
1500 Korn Korlis
1513 Lobort
161 Lobrin
1613 Loc Maria
161 Lobrin
1613 Loc Maria
1610 Loc Maria
1610 Lobrin
1610 Loc Maria
1701 Lobrin
1701 Marico
1701 Maria
1701

214 + 125 + 126 +

3610 AMCA Inti 700 AMCA Inti 700 Amino E 110 Agran Ind A 440 Alt Energy 300 Alto He Energy 300 Alto He Energy 300 Alto He Energy 300 Alto He Energy 300 Amino He Energy 300 Bromoles I 1200 Chiefe B 1200

Amsterdam

2485 2480 1,283

84.10 742 83.10 740

Japanese Aluminum Output

TOKYO - Japanese production of primary aluminum declined 4.1

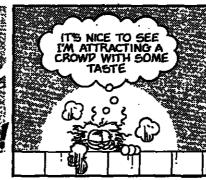
percent in September to 20,751 metric tons and was down 15.7 percent from the September 1982 lev-el, the Trade and Industry Ministry

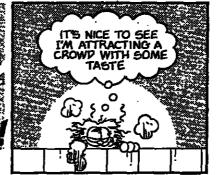
Canadian Indexes

Brussels

ABIN
ACF Holding
ACZO
ALIVET Hellin
ACCO
AliveT Hellin
AMIEV
AMIEV
AMIEV
AMIEV
Booksidin
Hida
Helanilor
Helanilor
Helanilor
Helanilor
Helanilor
Helanilor
Helanilor
Helanilor
Holdinovi
Oce Vander
Booksidinovi
Oce Vander
Booksidinovi
Book

Prov. 37.50 165 75.30 165







Constitution of the Consti

Hong Kong

Chester Korte China Light China Light Crush Harboy Harse Sens Its HK People HK Shomehat HK Tel HK Whorf Harich Warms Jordine Aloth Jordine Sec New World Shaw Bras SHK Property Sime Durby Sielius

Oct. 24

Close Previous 430.49 N.A. 2,422.31 2,410,40

BASF
Bayer
Commercial
Comf.
Commercial
Comf.
Commercial
Comf.
Commercial
Comm

PTV-158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-50
158-5

BOOKS

DAYS OF VENGEANCE

By Harry Mark Petrakis. 279 pp. \$14.95. Doubleday, 245 Park Avenue, New York, N.Y. 10167.

Reviewed by Joseph McLellan

TN the timeless mountains of Crete, there is a law that seems as old as humanity itself: "An eye for an eye, a tooth for a tooth, a life for a life." The same law was vigorously enforced for a long time in the American West, where hanging could be the penalty even for the theft of cattle or a horse.

Still, the United States looked like a safe refuge (or at least a large one) for Stellios Trombakis in 1909 when he fled the Cretan village of Vilandreon. Stellios was trying to elude the vengeance of Manolis Manousakis, whose brother Alcko he had shot down in cold blood. As Stellios soon discovers, in the latest expertly crafted novel by Harry Mark Petrakis, the United States in the years just before World War I was not necessarily a paradise for a young Greek immigrant who could not read or speak English. Fresh off the ferry from Ellis Island, he is

hared, with fellow immigrants, into a railroad work gang where the men are cheated out of a part of their wages and treated like animals. He flees the railroad gang after beating the brutal overseer in a no-holds-barred light and soon finds a search party at his heels, complete with bloodhounds and a noose.

His miraculous escape, which leaves him scarred with a rope burn around his neck for the rest of his life, seems a bit improbable in the cold reflection of retrospect, but it allows Petrakis to write a vivid lynching scene without losing one of his chief characters, and it also makes credible the conversion of Stellios from a thoughtless, brutal hothead into a sort of secular saint: a union organizer risking his life to help organize the Greek workers in the coal mines of Utah.

Death threats were a more or less automatic fringe detriment of that kind of job in those days—but by now, death threats have become a part of the air Stellios breathes. In Crete, respect for written laws was undermined by attitudes the population developed during cen-turies of Turkish rule; in working-class America, during the days when the unions were being organized, respect for written laws was undermmed by the essentially accurate feeling that the law belonged to the raling class. In Utah, where he is threatened with a legalized execution on trumped-up charges, Stellios would face not a hangman but a firing squad, like the one that killed Joe Hill in that era.

Meanwhile, Manolis has crossed the ocean in hot pursuit, seeking to take a life for a life. The heat dies down a bit when he experiences his first Chicago winter and begins to realize how hard it is to find a murderer whose only known address is "America." Besides, there are distractions, such as the widow who owns the bakery where he works, and the teen-age daughter of a Greek priest he met on the boat coming over. She writes to him regularly from her new home, a mining town in Utah, where her father is the resident priest and her older sister is engaged to marry a young union orga-

nizer. Perhaps the United States is not, after all, such a big hiding place for a murderer.

By the time the pursuer and the pursued can have their fated meeting, the situation has changed drastically, neither is any longer the man he was when the game of cat and mouse began several years earlier. Will Stellios be allowed to live? Can Manolis escape the ageold conditioning of his society and the pressure from his family? Does the move to America mean a new life for these and other immigrants, or is it simply a new background for old hatreds and prehistoric customs?

En route to this question, which brings his book to a shattering and unexpected though logical climax, the author takes his reader through some unfamiliar, interesting land-scapes and backgrounds, which he has populated with a wealth of colorful and believable characters.

The quality Petrakis has that makes him different from most other American novelists is his ability to give his stories an epic, mythicamosphere, apparently without even trying, when he is writing about ordinary people in everyday situations. That quality distinguished. "A Dream of Kings," which is probably his best-known work, and it can be felt also in. "Days of Vengeance." This is not exactly oneof the classics of our time, but it is a wellcrafted novel that keeps the reader going eagerly from one page to the next and also conveys-the sense that human life has important, unseen dimensions.

Joseph McLellan is on the staff of The Washington Post.

Schwab's Hollywood Pharmacy Closed The Associated Press

LOS ANGELES - Schwab's Pharmacy, where, according to Hollywood legend, Lana-Turner was discovered, has closed after 51 years, for "family reasons," the owner, Leon, Schwab, said. A group of businessmen is toportedly acquiring land that includes the drugstore for a hotel and retail development, and Schwab's may become part of it.

CHESS

By Robert Byrne

nament in New York. The 23- in the move was misplaced. year old West German grandThus, on 11 N-K4,
master had finished his play
ahead of schedule so he could resources to attempt the ag-

\$1,000 second prize with a 9-5 him his queen. score in the event at the Kavka-sian Restaurant. His 13 R-B3 was sharply met (24 RxR?; 25 N-K4!); 25 by Lobron's 13 . . . N-R4!, BxQ, RxQch; 26 K-B2, RxB!; sian Restaurant.

Ronald Henley, a Brooklyn randmaster; Sergey Kudrin, a Stamford, Conn., international

The Benomi Defense with give Black rook-plus-three-3... P-B4; 4 P-Q5, PxP, 5 pawns for two mimor pieces, PxP unbalances the pawn formation, producing a kingside his position would still be a majority for White and a problem, queenside majority for Black. It

Lobron's 21 ... NxP! is surely the most aggressive, broke Zaltsman's defence—non-gambit defense in the point was that 22 RxN, B-Queen's Pawn openings.

R6ch!; 23 K-N1, Q-N4ch

Closing Prices In local currencies

Other Markets

- 8.90 12.70 16.52 12.115 20.575 45.130 17.65 11.76 11

Johannesburg

London

AECI Borlow Blyvoor Blyvoor Buttets Elandsrond GFSA Harmony Kless Pet Steyn Rustpielf SA, Braw St. Heisma Scool Composite St Previous; 85

AA Corp Allied Lyons AngloAM Gid Bebcock-Wil Bercloys BK Buss BAT Ind. Beschorn Go

Solution to Previous Puzzle

UNTA TOBE ABIE ASTER ODES LENS HORSELATITUDES ONE DOE

ATTEND SPENDING
CHIN CLOSE OER
HORSE AOK SENSE
ESE DINGY SITE
RESPITES REPAST
ATE EAR
THEHORSESMOUTH
ROTA ALAS DROOL

Zaltsman's 11 K-R1?! was PRIC LOBRON'S 9%-4% the white king safer in the event score held up to gain him of tactical counterplay by Black the \$1,800 first prize in the on the king's wing but, as will presumably intended to make Kavkasian International Tour- be seen, Zaltsman's confidence

take part in another event, and gressive 12 P-B4!?, but after no one succeeded in overtaking 12 N/4-N5, he had to desist from 13 N-B47 because Igor Ivanov, a Canadian in- 13 . . . NxKP!; 14 BxN, BxB; ternational master, took the 15 QxB?, N-B7ch! would cost

> which threatened 14... R5! After 14 Q-K1, Lobron Black an end game three pawns had gained the time to hit the ahead.
>
> white center with 14 . . P
> After 28 N-K4, R-Blch
>
> have any old hours bear recommended.

scores.

Lobron defeated Vitaly
Zaltsman's greedy 17 P

KN4? did not fully reckon with
Lobron's powerful knight sacincisive combinational play.

The Benomi Defense with
3... P-B4; 4 P-O5. P-P s

Oct. 24

Milan

Mentedison Oliventi Pirelii Pirelii Viscoso Stancja BCI Index: 183,73 Previous: 185,62

24,519 1,49 1,326 3,290 2,840 47 24,340 44,340 44,340 44,340 1180,75 3,025 2,545 1,138 4,130

27,000 168 1,377 3,250 2,577 40 35,200 44,550 376,50 42,500 11,740 1,740

477.50 153 447 308 445 445 405 1310 1310 1310 1310 147.80 147.80 148.81

497. 133.200 449 640 647 2,296 17,340 17,10 147,10 147,10 147,10 147,10

GLO
Hemsen Trust
Howker-Sidd
(CI
ICL
ICL
Impa
Londb
Londb
Londb
Londb
Londb
Londb
Londb
Londb
Control
Metal Box
Tipester
Rendfordele
Rendfordele
Rendfordele
Rendfordele
Rendfordele
Rendfordele
Rendfordele
Total
Storm
There
Total
Testos Storm
There
Total
Testos Storm
There
Total
Testos Storm
There
Total
Testos
There
Testos
Test

Laterge Cop
Lagrand
Lagrand
Lagrand
Lagrand
Lagrand
Lagrand
Lagrand
Lagrand
Lagrand
Modification
Nord-Est
Occidentole
Oreol (L')
Persod Ric
Petroles (Pse)
Persod
Pocidentole
Rossel
Lossel
Lossel
Lossel
Rossel
Lossel
Losse

Singapore

Stockholm

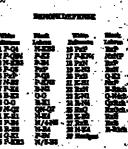
Sydney

70%等75%新

Boustead
Cold Staroge
DBS
Fraser Neave
How Per Bros
Inchose
Inchose Ship
Matay Briting
OCBC
OUB
Seamb Shloyd
St Treding
UOB
Fraser Ind, Intent
Previous; 1,581,36



(24 . . . BxR?; 25 N-K4!); 25 Q- 27 RxR, BxB, which gained



Close Frey. 1.24 1.24 2.85 2.85 Woodside Patt Wormold All ordinaries ind Previous: 68.50 Tokyo Akai Asahi Chem.
Asahi Giasa
Bi Takuna Bi Takuna
Bi Takuna Canan
Dai Min. Print
Dahwa
Puli Bank
Puli Photo
Fulitsur
Hitochi
Hola Molor
Hitochi
Itali
Kalima
Kanada
Kanada
Kanada
Kanada
Kanada
Kanada
Kanada
Kanada 1.246 1.250 707 707 708 708 1.270 925 1.270 930 1.270

Zurich.

المكنام المعلى

Position after 21 K-Bi forced 24 R-N4, QxRch!

Forld Lift R

Since woghth Commencia Lorgi all' Example 1

The land and the second CENT discher Beats Bloom Electrical School of the Open Per Carrie

Remarks of the and A decision of the same Ewart Wins D de de la comanient 1 affact of Espand with

an inches iPorte to Def Marie Beams See a December Seems

The

Out Live

A The Tabra

MATERIAL OF

M 44 TE

F 4 2442 4.

ANT COME OF A

Spart all Agency

· Brandag San er er e

MA STATE

.

The same of

Barrier . . . ا بر دو **منطقه**

Mark Train

- 2. c

*

4 ∼< 3 ·

CHESS

INTERNATIONAL HERALD TRIBUNE, TUESDAY, OCTOBER 25, 1983

SPORTS Race Within a Race

By Dave Anderson

New York Times Service

NEW YORK — For more than two hours on Sunday, the umbrellas had been up near the finish line. Under the red-white-and-blue New York Marathon banner, two men held a thick white tape. When policemen on motorcycles rumbled along the Central Park roadway, the people knew the winner would soon arrive.

Moments later, Rod Dixon of New Zealand, wet from the rain and sweat, appeared and the applause began. After breaking the tape, Dixon raised his arms high and then knelt, as if in prayer, before getting to his feet, wobbling slightly. Nine seconds later, Geoff Smith of England humbled across the finish line and toppled to the pavement. Annother instantly, he was up and hanging onto the shoulders of three men who had rushed to help him.

- One by one, the other leaders were crossing the finish line, some in a stagger, some smoothly. But behind them was the race within the race— the attempt to qualify in May for the trials that will determine the three men and three women who will represent the United States in the marathons (the first for women) at the 1984 Summer Olympics.

Beginning with the Boston Marathon last April through next year's Boston race, an American must better a specific time to quality for the Olympic trials. For men (who will attempt to qualify at Buffalo on May 26), that time is 2 hours 19 minutes 51 seconds; for women (who will run ist Olympia, Washington, on May 26), it is 2:51:16.

In 1980, one of the smallest world-class marathoners, 5-foot-8-inch Iony Sandoval, won the Olympic trials in 2:10:19. His time still stands as

the minth best by an American; it also turned out to be faster than the winning time at the 1980 Games in Moscow, which Sandoval missed because of the boycott.

Until Sungay in 2:13:21, finishing 18th. Until Sunday he had not yet qualified for the 1984 trials, but he ran

"I knew I'd qualified, I saw the time up there on the crocks on the crocks on line," he said a few minutes later. "My fluidity was there, but I've got to build up my cardiovascular supply."

Spoken like the physician he is — an internal medicine intern at the University of Colorado. Huddled in one of those aluminum capes that University of Colorado. Huddien in one or mose automation made the marathoners resemble walking candy wrappers, 29-year-old Sandoval stood under a dripping tree with his wife and their little

"Not running at Moscow was a disappointment," he said. "I didn't run

By now, dozens of marathoners had finished. With their pewter medals hanging from ribbons, they made their ways toward the buses, where little plastic bags of food awaited them. But every so often, a finisher could be

plastic bags or room awareness of the plastic bags of the plasti Carolina, wearing tiny pearl earnings and holding a red rose against her cape. Two years ago, she was the third woman finisher, but last year an alling leg forced her to stop after about seven miles.

"I think it was downtown Brooklyn somewhere," she recalled. "I

I think it was downtown Brooklyn somewhere, she recently somewhere it was downtown Brooklyn somewhere, she recently semember I went into a damp, dark garage with a big white sign where some college kids gave me a sweat suit to put on and fed me breakfast. Pil

some college kids gave me a sweet me as were."

never forget how kind they were."

This year she qualified for the Olympic trials with a 2:39:02, finishing and overall. 12th among the women, 372d overall.

. "Now that I've qualified," she said, "as long as I stay healthy, I think I can make the Olympic team." Shea, a graduate of North Carolina State, had been voted the Atlantic Coast Conference athlete of the year in 1980 and 1981, ahead of first

Nancy Lieberman, the all-America basketball player at Old Dominion, and then Ralph Sampson, the all-America basketball player at Virginia.

At the 1980 Association for Intercollegiate Athletics for Women championship at Eugene, Oregon, she swept the 3,000-, 5,000-and 10,000ineter runs, an unprecedented triple. About three dozen men and two dozen other women qualified for the

Olympic trials Sonday; a total of about 300 men and 200 women are expected to run in each marathon. The first three finishers (and the fourth an alternate) will be among the throng of marathoners who will leave the starting line in the Los Angeles Coliseum. The women's marathon will be run on the first day of track and field competition; the men's, as usual, will be on the last day.

. Grete Waitz of Norway, now a five-time women's winner in New York, and American Alberto Salazar, the world-best holder and three-time New York champion who didn't compete Sunday, will surely be the favorites. But Sandoval and Shea took their first strides toward Los Angeles by winning their races within a race.

SPORTS BRIEFS

📆 😘 World Lift Records Reported

MOSCOW (AP) — Weightlifters from the Soviet Union and Bulgaria set three world records Sunday in the 123-pound (56-kilo) class at the World and European Weightlifting Championships, Tass reported.

Oksen Mirzoyan of the Soviet Union jerked 363 pounds, bettering the record of 353.1 set by Andreas Letz of East Germany. Mirzoyan won the overall division with a total of 643.5 pounds, breaking his own mark of

632.5 set earlier this year.

Bulgarian Naim Suleimanov's total of 638 pounds included a record-

setting snatch of 286, bettering by 4.4 pounds the record set by Wu Shu-

Teltscher Beats Gomez in Tokyo

TOKYO (AP) - Eliot Teltscher of the United States beat top-seeded Andres Gomez of Ecuador, 7-5, 3-6, 6-1, on Monday to win the men's singles final at the Japan Open tennis tournament.

Etsuko Inoue of Japan downed American Shelly Solomon, 7-5, 6-1, for the women's title. The men's doubles final, an all-U.S. affair, went to Sammy Giannalva

and Steve Meister, 6-4, 6-7, 7-6, over brothers Tom and Tim Gullikson.

Australians Pam Whyteross and Christine O'Neil won the women's ioubles by defeating Americans Helena Manset and Micki Schillig, 6-3,

Stewart Wins Disney Golf by 2

LAKE BUENA VISTA, Florida (AP) — Payne Stewart shot a 5mider-par 67 Sunday to finish at 19-under 269 and win the Walt Disney
Norld Classic golf tournament by two strokes.

Nick Faldo of England, with a 66, tied Mark McCumber (a closing 67)

Nick Faldo of England, with a 66, tied Mark McCumber (a closing 67)

Nick Faldo of England, with a 66, tied Mark McLimber (a closing o') or second at 271. Scott Hoch, who shared the third-round lead with

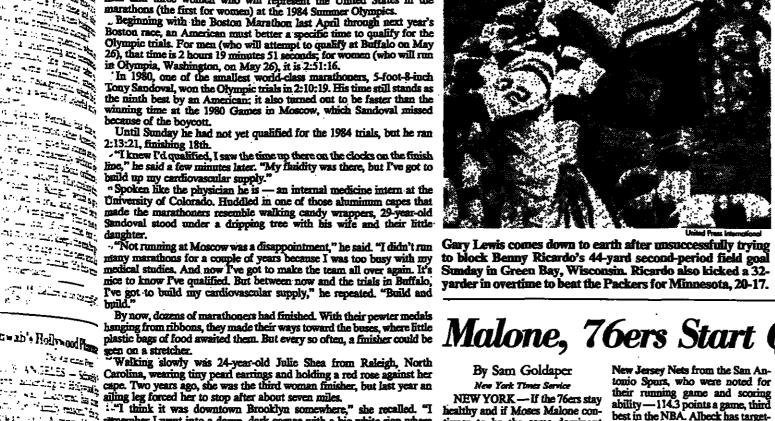
Ea Porte to Defend WBC Crown

MILAN (AP) — World Boxing Council featherweight champion Juan
a Porte of Puerto Rico will defend against Italian Loris Steeca in Rome
ar, Milan in December, Steeca's manager, Umberto Branchini, anionneed late Sunday.

Transition

BASKETBALL National Basketball Association RTLAND—Signed Civde Drexier.

PITTSBURGH—Traded Rich Softer, right wing, and a second-round 19th draft choice to Philodelphia for Ron Flockharl and Mark Taylor, centers, Andy Brickley, left wing, and a first-round draft choice. (The teams will care switch draft points in the draft's fairly



ed that level for the Nets. He will need consistency and a minim of fouling from 6-11 center Darryl

Dawkins The Nets are still waiting for the real Otis Birdsong to surface; free of injury, he ranks with the league's best offensive guards, but in his two seasons with the Nets he has missed 75 games with various ailments. Buck Williams is an ideal power forward and Albert King is joining the star class among small forwards. The Nets need experi-

enced help in the backcourt. The Washington Bullets' strong finish last season raises the possibility that all five division teams have playoff shots. The Bullets won 13 of their last 17 games. The toughness of Jeff Ruland and Rick Mahorn, plus the scoring of Greg Ballard, give the Bullets a strong front line. The midseason signing of Ricky Sobers, compled with the emergence of the 6-10, 240-pound

The addition of Tom McMillen will help the offense as will Jeff Malone, the top draft choice, if he can score the way he did at Mississippi State. He averaged 26.8 points, third best nationally. In his first five exhibition games, Malone minutes a game — and shot 65 percent from the field.

hted the second-half sure

able to play following two more court. knee operations will again deter-mine how far the Milwankee Bucks go. Alton Lister, 6-11, who showed improvement, and Randy Brener, 7-3 and the top draft choice, have bolstered the team.

The Bucks are led by Marques Johnson, Sidney Moncrief and Junior Bridgeman, who are among the league's finest offensive rebounders. Archibald's ability to handle the playmaking while Paul Pressey continues to learn will be a major factor.

NHL Standings WALES CONFERENCE

W L T Phs GF

Winnipes 1 5 2 4 25 41
Sundary's Results
Philodelphia is, Toronto 5 (Dverak (1), Cochrone (2), MacLelsis (4), Sinisole (4), Kerr (4), Ron Sutter (4), Rich Sutter (1), Borber (4); Ginaros 2 (3), Volve 3 (10)).
Buffalo 5, Winnipes 2 (Feliane (3), Harnel 3 (3), Clautier (5); Arniel (4) Small (31).
N.Y. Rongert & N.Y. Istonders 5, OT (Povelic), (4), Hedbers (3), Roper (4), Larouche (7), Erixon (2), Sundstrom (5); Potvin 2 (3), B.Sutter (5), Trottler (2), Bourne (4), Chicopo 7, Cafaory 4 (Surier (2), D.Wilson (3), Rosen (2), T.Marray (2), Lyssiok (3), Yer-enchuk (1), Marsh (1); Hindmarch (2), Loob Bill Cartwright can score, and Marvin Webster is noted for defense, but both centers will need to

toves, is the main man.

Coach Stan Albeck comes to the (3), Beers (2), Reinhort (3)).

New Jersey Nets from the San An-Mike Fratello, the third coach No. 1 draft pick, has strengthened ees Roy Hinson, a center-forward, sons, is defensive-minded, but of- weakness is at center with Dave help.

> Wayne Rollins, the league's best shot-blocker, and the addition of Sly Williams (when he recuperates from a broken hand) will make a strong front line even stronger. The backcourt of Eddie Johnson and Johnny Davis can penetrate and pass off, but they have been known to shoot when they should be pass-

but the problem has been defense and lack of outside shooting.

Ruland as a first-rate center, high- oped into a top rebounder. Cliff

Perhaps Kevin Loughery, the averaged 19 points - in only 20 for Loughery, if Quintin Dailey is CENTRAL DIVISION Whatley has a good rookie season, How much Bob Lanier will be the Bulls will have a good back-

David Greenwood and Orlando

liams at the Dallas 35 that seemed to doom Raider hopes. But four plays later White was intercepted by Watts to set up the winning

The 7-1 Cowboys rallied from a 10-point deficit at the end of the third quarter, taking a 38-34 lead with 13:05 left as linebacker Mike "I was thrilled to get the chance to play against Dallas," said Wilson, who has just signed a multiyear contract with the Raiders. "You may as well start out against the best and

Hegman returned Wilson's fumble seven yards for a touchdown. see what happens." But Bahr capped a 75-yard march with a field 49ers 45, Rams 35 goad of 26 yards with 9:40 to go and then kicked

NFL ROUNDUP

Corzine.

The Cleveland Cavaliers proba-

the winner after an interception by Los Angeles cornerback Ted Watts deep in Raider territory. Wilson, who started because Jim Plunket had San Francisco rallied to defeat the Rams, 45-35. and wide receiver Wes Chandler. Board stripped the ball from the Ram quarterback Vince Ferragamo — who threw for five touchdowns — and then fell on the ball to give been ineffective lately, completed 26 of 49 the 49ers the lead for the first time, 38-35. NFL rushing leader Eric Dickerson carried 25 times Wilson lobbed a 2-yard second-period scorfor 144 yards and caught two of Ferragamo's ing pass to Derrick Jensen after scrambling halfway across the field, threw a 17-yard score

Dolphins 21, Colts 7

In Baltimore, rookie quarterback Dan Mari-no passed for two touchdowns and set up another with a 64-yard completion as Miami downed the Colts, 21-7. Marino, who entered the game Hawkins scored on a 23-yard second-period as the leading passer in the American Conference. has eight TD passes in his three starts and Dallas used a trick play to take the lead in the II for the season. first quarter — a 15-yard pass from running back Ron Springs to quarterback Danny White, who was 19-of-39 for 240 yards on the night

Vikings 20, Packers 17

Minnesota over the Packers, 20-17. Ted Brown play. (UPI, AP)

Raiders Hand Cowboys 1st Loss, 40-38 winners, while Packer quarterback Lynn Dickey Dallas scored 14 quick points early in the connected on 23 of 42 passes for 327 yards and two touchdowns — including a 4-yarder to Mike Meade with two seconds left in regulation

fourth quarter on a 17-yard pass from White to Doug Donley and Hegman's fumble return. The Raiders piled up 519 yards to Dallas's 319. Los Angeles turned the ball over six times.

Green Bay won the coin toss at the start of the start of the last being a fumble by receiver Dokie Williams. Bucky Scribner's 34-yard punt left the Vikings, at their own 32. They ran seven plays before Coach Bud Grant elected to send in Ricardo on third down. He connected for the 17th time in

19 attempts this season. Broncos 14, Chargers 6

In Denver, Dave Preston ran for one touch down and quarterback Steve DeBerg found. Rick Upshaw on a 30-yard scoring pass in the fourth quarter as the Broncos overtook San-In Anaheim, California, quarterback Joe Diego, 14-6. The Denver defense held the Char-Montana tossed two fourth-quarter scoring gers to two Rolf Benirschke field goals; hard-hit passes and Dwaine Board recovered a Los Anby injuries, San Diego was operating without
geles fumble in the end zone for a touchdown as
quarterback Dan Fours, rusher Chuck Muncie

Saints 24, Buccaneers 21

in Tampa, Florida, safety Bobby Johnson returned his first NFL interception 70 yards for a third-period touchdown to complete New Or-leans's come-from-behind 24-21 victory over Tampa Bay. The Bucs had held a 14-0 lead on James Wilder's two-yard TD run and Jeremiah Castille's 69-yard interception return.

Steelers 27, Seahawks 21

In Seattle, Franco Harris, Cliff Stoudt and Frank Pollard scored first-half touchdowns and Pittsburgh held off a second-half comeback to defeat the Seahawks, 27-21. Pittsburgh led 24-0 at the half, but quarterback Dave Krieg, replac-ing starter Jim Zorn in the second half, rallied attle for three scores in the final 16 minutes. In Green Bay, Wisconsin, a 32-yard field goal
The Seahawks threatened again before turning
by Benny Ricardo 5:05 into overtime lifted the ball over on downs with just over a minute to

NFL Standings

AMERICAN CONFERENCE

3 0 .625 146 161 3 0 .625 146 133 4 0 .500 144 176 4 0 .500 186 165 5 0 .375 167 172

6 2 0 .750 210 153

Malone, 76ers Start Quest for 2d Straight NBA Title

Compiled by Our Staff From Dispatcher
IRVING, Texas -- Chris Bahr's fourth field

goal of the night, a 26-yarder with 20 seconds left to play, lifted the Los Angeles Raiders to a 40-38 victory over Dallas here Sunday, handing

the Cowboys their first loss of the National

Football League season. Raider quarterback Marc Wilson, starting for

the first time this year, threw for three first-half

touchdowns and completed all five of his passes

during the march that led to Bahr's game-win-

passes for 318 yards in all and inspired the 6-2 Raiders to a 31-24 halftime advantage.

to Frank Hawkins with 2:19 left in quarter and

found tight end Todd Christensen on a 1-yard

Bahr contributed a 37-yard field goal in the first quarter and a 24-yarder in the third, while

The Cowboys added second-quarter scores on

Springs's 2-yard run, a 23-yard field goal by

TD pass on the final play of the half.

dash that tied the score, 17-17.

times to be the same dominant force, Philadelphia is favored to become the first team since the 1968-69 Boston Celtics to win nccessive National Basketball Association championships.
Following the arrival of Larry

NBA PREVIEW

Bird for the 1979-80 season, Boston won three straight divisional titles. Philadelphia snapped the string after the acquisition of Malone, who gave championship form to a collection of all-stars.

On Friday night, the NBA may start its 38th season without its regular referees, who are without a contract and have not worked during the exhibition season. The league and the officials continue their negotiations.

A preview of the NBA's Eastern ATLANTIC DIVISION

With the 6-10 Malone leading (15.3 per game) and finishing fifth in scoring (24.5), the Philadelphia 76ers won the division title with case (65-17) and set an NBA playoff record of 12-1. Malone's strong inside game

made the fast break more devastating and the swarming defense more effective. Free agent Marc Iavaroni was a pleasant surprise at power forward, blocking out for Malone. Bobby Jones remains Mr. Defense and Julius Erving Mr. Excitement.
With Maurice Cheeks develop-

ing into a top playmaker, Andrew Toney fast becoming one of the league's outstanding offensive forces and with Clint Richardson and Franklin Edwards, the 76er backcourt is young and talented.

The Boston Celtics' big, strong

and talented front line made possi ble the trade to Phoenix of Rick Robey for Dennis Johnson, bringing help to a faltering backcourt.
The problems focused on aging
Nate Archibald, now with Milwankee; and Quinn Buckner never fit in. Danny Ainge's scoring im-proved and Gerald Henderson has great quickness but has trouble hiting from the outside.

If K.C. Jones can keep Johnson happy, he will lend toughness, rebounding passing and scoring, some of the missing ingredients. With a settled backcourt, the

Celtics would improve. Bird's scoring, passing and overall game is without equal among forwards. Kewim McHale, the league's best shotblocking forward, can also score and rebound, as can Robert Parish, the 7-foot center, and Cedric Max-Coach Hubie Brown wants the

New York Knicks running, and that will require better rebounding. Ray Williams and Darryl Walker, noted for their quickness, will rebound from the guard position. But Truck Robinson will need to contribute the way he did in the second half of last season, when the Knicks went

rebound better. Bernard King (21.5 points a game), with strong inside

tomio Spurs, who were noted for for the Atlanta Hawks in four sea- the forward position. The defensive and Stewart Granger, a guard, will Bott their running game and scoring sons, is defensive-minded, but of ability—114.3 points a game, third fense was the problem last season, best in the NBA. Albeck has target- when the Hawks ranked 19th. Dan Roundfield, the all-star forward, gets better with time and Dominque Wilkins jumped and dunked his way to an average of 17.5 points

the Detroit Pistons made the playoffs. With the increased playoff qualifiers, the wait may be over. Isiah Thomas at guard and Kelly Tripucka at forward should lead the offense for a third straight year, Center Bill Laimbeer has devel-

top draft choice, will battle Terry Tyler for the other forward spot.

new coach, can straighten out the Chicago Bulls, who have potential but lack know-how, especially defensively. If Reggie Theus can play over his personal problems, if Ronnie Lester stays healthy and Ennis

Woolridge, plagned by injuries last season, are talented forwards, and

ESCORTS & GUIDES

INTERNATIONAL

ESCORT

SERVICE

NEW YORK

CALIFORNIA

end other U.S. Cities 212-765-7896 212-765-7754 330 W. 56th St., N.Y.C. 10019

CHICAGO

312-861-0465

bly will not make the playoffs, but talented front line of 6-11 Herb if nothing else the new ownership Williams and 6-7 Clark Kellogg, a has started the franchise back to 20.1 scorer as a rookie. Coach Jack respectability. The Cavs acquired McKinney needs a couple of good nie Shelton from Seattle, but he will have to prove he is over his personal problems. The scoring of The likely playoff teams World B. Free and Cliff Robinson, 76ers, Celucs, Bucks, Knicks, Bulthe playmaking of Geoff Huston, coupled with the addition of draft-

lets, Pistons, Nets and Hawks. This is the second of two articles.

With Steve Stipanovich, the

team's top draft choice, the indiana

Pacers strengthened their vonns

6 2 0 .750 267 187 4 4 0 .500 117 145 2 5 0 .286 126 156 2 5 0 .286 137 218

Atlanta 27, N.Y. Jets 21 Chicago 7, Philodelphia New England 31, Buffalo 0 Cincinnati 28, Cleveland 21 Washington 38, Detroit 17 Orleans 24, Tampa Bay 21 Raiders 40, Dallas 38 Menday's Game N.Y. Glants of \$4. Lov

	CFI	L 3	ta	۵d	m	7 8	
Š.		AST	ERN	DI	/ISK	M	
		₩	L	Т	PF	PA	ı
	Toronto	10	4	0	397	304	
*	Offgwg		6	0	251	357	
₩.	Hamilton	5	9	0	354	442	
7.	Montreal	4	10	0	327	406	
-7:	w	5	ERN	יום ו	YISK	N.	
2	.British Cimb	10	4	0	40	302	
	Winnipeg	7	6	0	403	347	
2.	Edmonton	8	7	0	435	355	
	Calgary	7	7	D	339	308	
-	Sosketchum	3	11	6	322	50B	
_a		Sum	day'ı	Re	suffis		
•	Ottowa 20, Ti	oron	lo 19)			
•	Minutes 21	-					

the addition of Sidney Green, the Malone: Rebounder and scorer - a dominant force insid

ŒD

INTERNATIONAL CLASSIFIED							
(Con	tinued from Page	20)					
ESCORTS & GUIDES	ESCORTS & GUIDES	ESCORTS & GUI					
N, EUROPE ESCORT SERVICE	LONDON MAYFAIR	ZURICH					

AMSTERDAM 644994 THE HAGUE 523429 ROTTERDAM 334040 LA VENTURA

European & sternational Cities contact New York Headquarters, ESCORT SERVICE NEW YORK CITY 212-888-1666 gual escorts available to trav ere nationally or internationally ine & Airpart pickup available MAJOR CREDIT CARDS AND BUSINESS CHECKS ACCEPTED

CHARLY'S ANGELS INTERNATIONAL ESCORT SERVICE ● FRANKFURT ● WIESBADEN-MAINZ MUNICH-LONDON •

Everywhere in Europe 06190-4488 ESCORTS AVAILABLE TO TRAVEL ANYWHERE

Tel: 736 5877.

CAPRICE ESCORT SERVICE IN NEW YORK TEL: 212-737 3291.

LONDON BELGRAVIA Escort Service.

LONDON MAYFAIR NL EUROPE ESCORT SERVICE **ESCORT SERVICE** TEL: 01 582 2408 AND HEATHROW

MADRID EVASION

ESCORT AGENCY.

TEL: 582 2408.

AMSTERDAM

ESCORT GUIDE SERVICE

ARISTOCATS

London Escort Service Tel: 437 4741 / 4742 12 noon - midnight

zurich-genev*a*

Manique Escort and Gaide Servia Tel: 01 + 367 90 00

REGENCY - USA

WORLDWIDE MULTILINGUAL ESCORT SERVICE

NEW YORK CITY

Tel: 212-838-8027

AMSTERDAM

LONDON ELITE ESCORT & GUIDE SERVICE MURTILINGSAL Madrid 261 41 42 - 261 43 35. **Escort Service** TEL: 221 8793 LONDON PARK LANE

LONDON Portman Escort Agency 67 Chiltern Street, Landon W1 TEL: 486 3724 or 486 1158

LONDON

KENSINGTON ESCORT SERVICE 10 KENSINGTON CHURCH ST, WI TEL 937 9136 OR 937 9133 **LONDON WEST**

ESCORT AGENCY ONDON HEATHROW & GATWIC TEL: 01-747 3304 MUNICH • WHY NOT BOOK! SERVICE

> LONDON LADY ESCORT SERVICE offernoon & evenin

> > Tel: 402 8150

TEL: (0) 89 - 914693.

& 212-753-1864. **ZURICH** SOPHE ESCORT & GLIDE SERVICE TEL: 01 / 202 68 93.

ESCORTS & GUIDES Zurich-geneva NATHALIE ESCORT SERVICE TEL: 01 / 47 50 85 - 022 / 36 35 02 MUNICH WELCOME ESCORT Ser-vice, Tel: 66 94 67. & GUIDES

KAREN ESCORT SERVICE Frankfurt. Tel: 0611-681662. Tel: 0611-691652

HAMBURG CAPOLINE ESCORT Service. Tel: 040 / 6529130.

FRANKFURT REGRIA'S ESCORT Service. Tel: 0611 / 69901.

FRANKFURT SONIA Escort Service. Tel: 0611 / 695014.

Tel: 0611 / 69562 or 06103-44317

FRANKFURT - ANITA Escort Service. Tel: 0611 / 495914.

BRANKFURT - PERE Scort & Torsel Tel: 0611/435914. FRANKFURT - PETRA Escort & Travel Service. Tel: 0611 / 682405. CHARLENE Genevo Guide Service. Tel: 295 395. GENEVA JADE DOMINA Escort Ser-vice. Tel: 022 / 31 95 09 vice, Tel: 022 / 31 95 09
VENINA ESCORT SERVICE Tel: Vienna 25 71 04.
NEW YORK: REMER'S V.L.P. Excort Servica, Tel: 212-581-1748.
CHECAGO crea Excort Servica, Tel: 312-728-0819, 738-0825
LONDON ESCORT AGENCY.
Tel: 935 5339.
LONDON ESCORT SERVICE, Tel: 937-6574.

LONDON NEWGIRL ESCORT Agen-cy. Tel: 579 7556. LONDON CHLOE ESCORT SERVICE. JULIET ESCORT SERVICE. Tel: London 373 8967. LONDON GENEE ESCORT Service. Tel: 370 7151. MALE ESCORT SERVICE London & Heathrow. Tel: London 624 1780.

NEW YORK FINESSE ESCORT SERVICE SHELA: 212-759-5052 COPENHAGEN ESCORT SERVICE. UTRECHT AREA. "PRIVE" Excert Ser-vice. Tel: (0) 3473 - 75997, Escort Service 453125 COPENHAGEN EXCLUSIVE Escori Serviça, 1-22 20 19, DUESSELDORF COLOGNE DOMBNA English Escort Service. (221) / 38314). /IEDONA IPR Escort Service. Tel: 42 83. 46 from 10 cm. VIENINA - GENEVA. Special Escort Service. Tel. (Vienna) 6541 58. GENEVA TOP ESCORT SERVICE TEL: 29 51 30

/ALENTINA ESCORT AGENCY London, Tel: 886 8056 or 886 0803. ZUERICH, VTP ESCORT SERVICE: 057/33 1876; 11:30cm-1 pm & 6cm VIENNA HARMONY VIP Escort Service. Deily, noon till midnight. Vienne 35 41 30 and 54 29 43, multilingual. VERNA - EXCLUSIVE Excel Service. Tal. 47 - 44 - 61. BMISSES. CHANTAL ESCORT Service, Tel. 50 - 74 - 61. BMISSES - CHANTAL ESCORT Service, Tel. 50 - 20 - 66. BMISSES - MANUAL ESCORT Service, Tel. 50 - 60. FRANKCRIET VIP Escort & Travel Service. Tel. 0611/9972372. BRUSSELS DIANA ESCORT Service. Please by: 731 76 41.

MARIA SCHNEIDER

ESCORT AGENCY LONDON 402 4000 & 402 4008

LONDON PRESTIGE

ROME CLUB EUROPE ESCORT & Guide Service. Tel: 06/589 2604 589 1146 (from 10 cm to 10 pm)

LONDON - CHELSEA GIRL Éscort Si

GENEVA-EXCLUSIVE Excert Service. Afternoon & Eve Tel: 22 / 21 79 29.

vice. 57 Beauchomp Place, London SW3 Tel: 01 584 6513/2749. (4-12 pm)

VIENNA

PAGES 24 & 20 BRUSSELS, M.A.J. ESCORT Service Tel: 02/53/3019. INC. 1227-337 JULY.
BRILISSELS, BISABETH Escart & Guide
Service, Tel; 027-347 52 24.
HAMBURG GLEDE SERVICE, Tel;
245351.

FOR MORE CLASSIFIEDS

B ESCORT SERVICE, HOLLAND 020-222785/030-944530/02997-3485

MUNICH PRIVATE ESCORT & Guide Service. Tel: (089) 311 79 00.

SEE THE NFL GAME OF THE WEEK

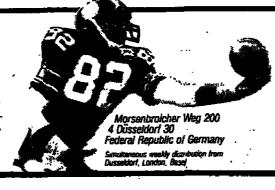
Every weekend's best game, right to the videotape within days of the game - 8 playoffs and Super Bowl. Uncut, as broad-complete games, each one including high

PonTel

Official distributor for MFL football

Call: area code for Germany. then 211-626066

from Germany call *0211-626066*



Postscripts on Publicity

WASHINGTON — When in a notebook. "Did you know," he you're out flogging a new book, which I've been doing for the last three weeks, you run into some inhabited by 40-foot dinosaurs, were inhabited by 40-foot dinosaurs.

too big to refuse the publisher's from that period is Lake Michi-request to appear on talk shows.

I've been on radio and television and innewspaper interviews in every town from Kalamazoo to Bur- I saw a beautiful girl in black leobank. Whenever I'm about to take tards sitting on the floor stretching a plane home, I get an urgent call her legs over her head. "Who is from the publicity people at Put- that?" I asked Erma Bombeck.

"The book isn't moving in Cas-

per, Wyoming Would you mind stopping there on your way back from Atlanta and doing the Wake Up With Sally radio show?"

I'm not alone on the road these days. I discovered this Buchwald

and wanted to know if I had a home. I said I wasn't sure any good when a security guard came in more. I was out promoting my with Joan Mondale and said to the book. He said the airport had a lady running the green room, "I special green room for people like found her sacked out on the bagme. He escorted me to a room, gage caroused at American Air-and much to my surprise it was lines." jammed with other authors all waiting for midnight connections

so they could get on early morning

TV shows around the country.

Erma Bombeck was there doing her laundry in the sink. Dinah Shore was trying to cook a soufflé over a can of Sterno. Russell Baker on talk shows just to get your hus-was explaining the gross national band to be president," I protested. product to John Kenneth Gal- Mrs. Mondale became upset. "Mrs. braith. Harold Robbins was talking Reagan is doing it," she said. "Why to Gloria Steinem about doing a book together, and former President Jimmy Carter was whittling a new chair he hoped to have ready for the "Mery Griffin Show."

Danish pastry?" I asked. Nathan Pritikin, who had his from Gate 118 for Racine, Waukenew book under his arm, said, gan and Appleton. Passengers with

went over to grab a cup of

Have a carrot instead."

very interesting people. then glaciers from the North Pole No one in the United States is swept down and all we have left

I was about to answer him when

"Victoria Principal of the Dallas' show. She hopes to push Jane Fonda off the best-seller list. I hate

"You mean because she's got a new book?" "No, because she can put her

legs over her head." There was a lot of tension in the room until Leo Buscaglia, who was pushing another book on love.

came in and started hugging everybody, and made us hug each other. Seymour Hersh, who was still out promoting his Kissinger book, said when I had a layover in Chicago he didn't want to be hugged. Bus-between Detroit and Milwaukee. It caglia told him the only way he was 11 o'clock at night, and I tried to catch a few winks in a stone chair in the O'Hare Airport terminal.

The security guard woke me up Shore got mad, so I hugged her.

We were all starting to feel pretty

"What book are you plugging?" someone asked Mrs. Mondale. "I'm not selling a book. I'm go-ing on talk shows to promote my

husband for the Democratic presidential nomination." "That's unfair to use up our time

shouldn't I?" Buscalgia said, "Getting your husband elected president is not as important as seiling a book, but we still love you." He ordered us all to hug Mrs. Mondale, which we did.

coffee. "What happened to all the Avoice came over the loudspeaker: "Air Wisconsin now leaving Danish pastry is very bad for you. Small children, senior citizens in Wheelchairs and authors plugging their books may board first."

Susanna Agnelli

In Italian Politics, T Think the Best Way

Of Asserting Personal Opinions

Is to Be Unobtrusive'

By Judy Klemesrud New York Times Service

TEW YORK — In the early 1970s Susanna Agnelli, Suni to her friends, lived in New York, leading the kind of glamorous, fast-paced life that one might as-sociate with a very wealthy woman who is a granddaughter of the founder of Fiat.

Agnelii, 61, was in New York again recently, but this time her visit was an official one. She is now an Italian senator who on Aug. 13 was named undersecretary of state for foreign affairs. A tall, strong-faced, no-nonsense woman, she is the divorced

mother of six and grandmother of nine. She is also the mayor, since 1974, of Monte Argentario, a coastal resort region north of Rome; a past member of the European Parliament; and the writer of a popular weekly advice column in the magazine Oggi. She has had a seat in the Chamber of Deputies since 1976.

All this has helped to make her what many people consider the best-known female politician in Italy. But such a suggestion makes her shake her head and say, "No, it is not I. It is Madame Iotti" - Leonilde Iotti, a Communist Party member who is president of the Chamber of Deputies. Then Agnelli certainly must be the second-best-known female politician in Italy? She replied

softly: "I would say I am, yes."
Agnelli, who uses her maiden name — she was divorced in 1971 from Count Urbano Rattazzi, a lawyer — was sitting in an office of the Italian Consulate General in Manhattan. She was wearing a red silk dress, a strand of knotted pearls and a Bulgari watch, and strapped to her left wrist was a small leather case that has become one of her trademarks.

"Everybody asks what it is," she said in flawless English. "I carry my spectacles in it so I know I'll always have them with me. In Italy people think it is an

antikidnapping device that can beep the police or something."

As undersecretary, Agnelli has been assigned responsibilty for two areas: relations with North and South America, and cultural affairs. She is the first in the post to be given this dual responsibility, she said. Affiliated with the small, centrist Republican Party, she is one of 10 female members of the 315-seat Senate (there are

40 among the 630 deputies).
Agnelli said more Italian women would be elected to office if they were not so aggressive. "I think the best way of asserting personal opinions is to be unob-trusive," she explained. "Speak very little, and possibly in a low voice, and people will listen to

Does she consider herself a feminist? "No. I think feminists always have an aggressive attitude and never have a balanced vision of things. They always get furious at things like President Reagan's comment about how men would still be living in caves if it weren't for women. I think that was probably a compliment on Reagan's part. It was no reason to get furious. You should get futious when people are demeaning or saying nasty things."

Still, Agnelli believes that many high-ranking men in Italian politics view her as "something of a joke." "I sometimes get the feeling that they think, Why the hell have they sent this woman here to discuss this important business? In my own party they like me to run for office because I get a lot of votes. But when it comes time for something important, like making an important political speech, they're not about to let a woman do it."

But she thinks that men in Italy, especially the younger ones, are becoming "much less ma-cho." There is evidence of this, she said, in a number of new movies in which young men ask



"Speak very little and people will listen to you more."

been faithful to them and the run for office. She did, and was women tell them no. "Italian men know they have to be careful today," she said with a smile. "I think it's good that they understand the suffering that women

happens."
Discussing the status of Italian women, Agnelli, a Roman Catholic, said she thought that legalized abortion would not be overturned. She also predicted that Pope John Paul II would not change his conservative stands on women's issues and that women

have always felt when vice versa

would never become priests. Agnelli was reluctant to talk about her motivations for going into politics. She would say only that her first involvement came in 1970 after she had complained to the City Council in Monte Argentario about illegal housing construction that she considered ugly besides. She said she was told that instead of grumbling she should

elected to the council.

At the time she was considered something of a controversial fignre in Italy because of a magazi article she had written in 1969 predicting that the United States would lose the war in Vietnam. A one-time medical and nursing student, she had visited Vietnam on a nursing mission for the Red

Mayoral business is conducted in Monte Argentario on Saturdays, Sundays and Mondays, and Agnelli had no plans to give up the post now that she is an under-secretary. "I would not want to leave now, because there are number of important questions I've been working on." These include building a new sewage system, trying to persuade women to send their children to a new kindergarten rather than to the old. dilapidated one - and curbing those ugly illegal houses.

PEOPLE

The Tip of a Lifetime

tip of a lifetime - about £163,300 sinate him. (\$245,000) - in the will of a costomer she hardly knew, lawyers say. But the dead man's family is fighting the bequest. Valerie Shepherd was named chief beneficiary in the will of William Bulmer, a 58year-old bachelor. Bulmer, who owned a television rental store, hanged himself in November 1981. According to an inquest, he was suffering from premature aging. His will left £234,621 after taxes: £50,000 to his brother and sister, Mary and John Bulmer, £21,300 in smaller individual bequests, and the remainder to Shepherd. Shepherd, who now works at the Royal Oak Hotel in Great Ayton, a town in northern England, said she was told two years ago that she was in line for a windfall but did not know until recently how much money was involved. She said Bulmer reg-ularly dined alone at a corner table at the Black Swan Pub in nearby Helmsley, where she used to work. "I hardly knew him. I served him and that was that. He did not talk a

Lorin Maszel, the first American director of the Vienna State Opera, has been criticized in a poll by the Society of the Friends of the Vienna State Opera, a group traditionally unfriendly to Vienna opera directors. The poll said only one out of 10 opera regulars was satisfied with Maazel's work. Maazel's response: Since he took over, box office receipts have increased more than \$600,000 and the house has been packed nightly.

The Zimbabwe opposition lead-er, Joshua Nkomo, is in London to confer with British publishers on his autobiography, the Sunday Mail newspaper reported. The Sunday Mail quoted Nkomo as saying that he would spend up to three weeks in London "putting the finishing touches" on the book. Nkomo and Prime Minister Robert Vingabe led separate guerrilla armies in the seven-year war that led to the independence of what had been Rhodesia on April 18, 1980. Mugabe fired Nkomo from the co-alition government after two years, accusing him of plotting to topple

In Great Ayton, England, a 19- he fled Zimbahwe claiming Muyear-old waitress has received the gabe had ordered soldiers to assasSeparation of the

4

31.315

lead

iatisf

9 36 (20⁴⁾

SE SERVE

Walter Hare ...

durt in

luti-Ame

with a first state

TE THE COLOR

ដែលសំខាល់

isa ni kabupatèn

Time. La me p

(Salara (ta) 🛶

State of the state

THE 17 EAS

Programme and the second

The state of the s

Total In Section

The second

The second

the same manual

Pro Const

Wed.

ELLEN S ELLEN

learning or other

de la constante de la constant

Series design

Region again

After wine of the contin

E D. E.

Trek O

following the !

by William Brange

Proposition and

نے ک

1.1

35 62-7 133

The New York Miss Subways contest has gone the way of the nickel token and graffiti-free trains, but that didn't stop about 50 former transit queens from basking in their former glory at a weekend rennion. "It was a wonderful, exciting thing," said Joan Attinson Kushaser, 55, a Miss Sabways in 1947. "People would look up at the poster and whisper and point at me on the subway." In 1941, when city subways were considered a sale, clean way to travel, the beauty contest was created as an advertising ginnnick. A pin-up of the whole-some young Miss Subways for the month was placed in every car, with a blurb about her hobbies and hopes. After 36 years, the contest succumbed to the spray-paint of vandals and the protests of feminists. "It felt sad that I was the last one," said Ayana Lawson, 33, who reigned in October 1977. "The posters brought a little lightness into the subways." But in the contest's waning years, Lawson con-ceded, the obscenities scrawled on her photograph made her wonder about the honor bestowed upon her. At the instigation of Ellen Hart Sturm, 42, a Miss Subways of 1959, about 50 former transit queens gathered in Manhattan to relive their moment of fame.

The U.S. golf star Arnold Palmer has played a test round on a course he designed for China, a Guangzhou newspaper reports. Although it has at least two courses under construction China so far has none open. The Yangcheng Evening News said that nine holes are finished at Palmer's course near Guangzhou and that the full 18hole, par-72 course was expected to be completed in the first half of 1984. Palmer played his test round Saturday, the paper said. A Hong Kong group invested \$3.2 million and invited Palmer to design the

course, the Evening News said.

. John Erichman, the convicted Watergate conspirator turned novelist, is in China doing research for a new book. "It's a novel, but that's all you get for now," Erlichthe government. Nkomo, who de-nied the charge, was in Britain between March and August after ing department store for foreigners.

ALLIED **VAN LINES** INTERNATIONAL OVER 1100 AGENTS

MOVING

IN 125 COUNTRIES 13 Desbordes Intern (01) 343 23 64 GERMANY

FRANKFURT Inf'l Moving Services (0611) 250066 L.M.S. DUESSELDORF/RATINGEN (.M.S. (02102) 45023 (089) 142244 LONDON (01) 953 3636 HOLLAND

(010) 372255 Tony B CAIRO, Egypt

A. Allied Van Lines ht?! Corp. (0101) 312-681-8100 **FOUR WINDS**

> Recognized & Used by the Best

INTERNATIONAL

for Worldwide Moving CHICAGO CAIRO DAMMAM DUBLIN DUBLIN (312) 628-6999 630113 8572760 (01) 523 222 (02)02) 474036 041-889-1241 3-425990 (713) 674-1262 6532013 GLASGOW
HONG KONG
HOUSTON
JEDDAH
LONDON
LOS ANGELIS
MANUTESTER
MANILA
NEW YORK
PARK

6532013 (01) 578-6611 (213) 754-2895 061-998-0325 87-57-46 (914) 835-5660 (3) 960 26 11

ALPHA - TRANSIT - Fbg. St. Honore - PARIS, Tel: 266 90 75. Sea and air moving - Baggage to all countries.

MOVING

Quickly and Easily in the International

Herald Tribune ne: Call your local IHT

HEAD OFFICE

London: (01) 836 4802. Madrid: 455 2891 / 455 3306. Rome: 679 3437. Contact Frankfurt. MIDDLE EAST Hamra 341 457.

UNITED STATES

OTHERS

OVERWHELMED BY PROBLEMS Ovacoversima by Postations, Anywhere in Europe, the qualified ad-vice of our PRISONAL CRISIS SER. VICE will help you rapidly. Expensive, effective. Confidential. To be contact, ed by one of our senior consolirants fin English, Franch, Italian or Spanish, coll our Lausanne Secretarion; [41] 21 26 01 45.

CONTINEX BAGGAGE & MOVING to 152 cities North America - oir/sea. Call Charlie 281 1891 Paris. Cars too. SAGGAGE Sect/Air Freight, remo vals. TRANSCAR, Paris. (1) 500 03 04. **ANNOUNCEMENTS**

Place Your Classified Ad

Bangkok: 391 0409. Hoog Kong: 5-420906. Singapore: 222-2725. Tokyo: 504 1925. New York: (212) 752 3890.

Copulorn: 616 020. Tel Aviv: 03-455-559.

Brussels: 343 1899. Frankfurt: (0611) 72 67 55. Loussemme: 27 56 94. Usbon: 67 27 93 / 66 25 44.

FAR EAST

By Phena: Coll your local IHT repre-particitive with your text. You will be informed of the cost immediately, and once prepayment is sociely our as will appear within 48 hours.

Cost: The bosis rote is \$8.60 per line per day + local toxes. There are 25 letters, signs and spaces in the first line and 36 in the following lines. Minimum space is 2 lines. No abbrevior-hous accepted.

nons cocapited. Credit Cards: American Express Diner's Club and Visa. Paris: 747 12 65.

PORTUGAL SEE Holidays and Travel ALCOHOLICS ANONYMOUS English daily. Paris: 634 59 65. PERSONALS EVE & LESUIE BODEN: Urgent you co

INTERNATIONAL CLASSIFIED PERSONALS **REAL ESTATE** REAL ESTATE REAL ESTATE FOR SALE FOR SALE

ANNOUNCEMENTS NIMA VAN DYKE OR SEVERIN Ro-din. Reward for anyone knowing whereabouts of either. Call collect Van Dyke, (202) 227-2139 USA. SUBSCRIBE to the REAGAN a double - see Oct 11 ad, Brader - CIA to out ad except in U.S. INTERNATIONAL HERALD REAL ESTATE FOR SALE

TRIBUNE FRENCH PROVINCES AND SAVE. As a new subscriber to the international Herald Tribune, you can tave up to 42% of the newsstand price, depending on your country of residence. Selection of properties, Mos & bergeries, in St. Trapez, Ramatuelle, Parspelanne, Grisnaud.
Exceptional sea view.
From PZ.200,000 to F3.800,000.
DOURDIN-DORESSAY,
3 rue du Vieux Colomber
Paris 6th, Tel. (1) 624 9333.

HT Subscriptions Department 181, Avenue Charles-de-Gas 92200 Neutly-an-Seine, fra 17 tel: Paris 747-12-65 ext.

IN ASIA AND PACIFIC

MEMORIAL SERVICE for the French and American toldiers who gave their lives for the cause of freedom in Lebanor Wednesday October 26 at 11 cm

American Cathedral 23 Avenue George V, Poris 8. DIVORCE IN 24 HOURS

Mutual or contested actions, low cost. Hair or Dominican Republic. For infor-ración, será \$3.75 for 24-page bookle! I handling to Dr. F. Goracelez, ODA, 1835 K. St. N.W., Washington D.C. 20006, U.S.A. Tet. 202-452-8331.

SAINT TROPEZ Luxurnous villa, 300 sq.m. Exotic garden, 2000 sq.m. evinaming pool, neor beaches. Tek morning (93) 50 23 42. BERUSE LIES ALPES, COTE D'AZUR.
Lovely village close to Nice & Monte
Corlo, 700 m. olikude, ideal climate.
Hondsome flot in small, select residence with superb pool. 4 rooms, 2
bothrooms, small private garden.
7760,000. Write: Jomes Lourie, 06390
Berne les Alpes. Tel: (73) 91 82 19 GREECE

UNIQUE OPPORTUNITY SKOPEROS ISLAND, GREECE 1000 sq.m. lots at US\$20,000 each, including building permit and plans. Tel: 41 '22 356481, or write Box 16018, Heroid Tribune, 92521 Nemily Cades,

MC 98000 Monte Carlo Tel: (73) 50 66 84 Telex 469477 PARIS & SUBURBS MARAIS PED-A-TERRE itchen, elevator, view. F1,260,000. AGENCE DE L'ETOILE: 380 26 08 NEUILLY, VIEW SEINE, beautify townhouse, 8 norms, 4/5 beakcoms, 2 garages, garden. F3,200,000. DORESSAY: 624 93 33

MONACO

Exclusivity Agence Inter 8.P. 10

FOCH. Beautiful duplex. Upper floor, fireplace, 4 maids' rooms parking, Tel. 256 03 20.

RE ST LOUIS. Quai de Bourban, Very high class apartment, 165 sp.m. es-ceptional, receptions, 2 bedrooms, 2 baths. George. Maid's room, DORS-SAY: 624 93 33. EXCEPTIONIAL VIEW, on gardens. Center of Paris, near US Embassy. Lusariose flat 60 sq.m. F1,200,000. Tel. 734 16 99. NEURLLY ON BOIS. Pleasant 7 rooms, 330 sq.m., 5th floor, very high class. DORESSAY: 624 93 33.

FOR SALE PARIS & SUBURBS COSTA DEL SQL - LUXURIQUIS opart-ment, becominally situated between Marbello and Gibrother, Forestelle view on African mountains. 320 sunstane days a year. All information. coll Mr. Josobsent, Spain 328(32628) MONTE-CARLO
PRINCIPALITY OF MONACO
FOR SALE
Large corner shop, 275 sq.m. on
ground floor and basement, very commercial area, on main road, 2 large
and 1 small display windows. All commercial possibilities, F3,800,000. F10,000 / SQ.M. 15th, duplex, 30th & top floor, 170 sq.m., fiving, 3 bedrooms. 500 48 26. AUTEUE, in private villa. Beautiful house, surrounded by large garden, 3 receptions, 6 bedrooms. DORESSAY: 624 93 33. LAKE GENEVA **MOUNTAIN RESORTS**

YOU can shit buy apartments in MONTREUX Also available in FAMOUS MOUNTAIN RESORTS. VILLARS, VERRIER, LES DIABLERETS, LEYSIN, CHATEAU D'OEX In-RUBELS, LEYSIN, CHATEAU D'ODX, Individual cholets ovoilable in lovely of AMPERY, a steing paractice. Excellent apparamilies for PORBIGNESS. Prices from SF 200,000. Liberal mortages at 65% interest.

Developer, Glabe Plan SA

Man-Repox 24, 1005 Lausanne
Switzsrand, 1et & [1] 122 35 12

Telex 25185 MEUS CH.

SUNNY SWITZERLAND LAKE LUGANO

keade oportments in the middle of autiful park with swimming po in fording stages. First quality equi-ant filter hireplaces, large terror liter hireplaces, etc. Prices first 453,900. 60% mortgages with lea 5 was banks at low interest ration of the day for our colored leaflets.

BUSINESS SERVICES

YOUR OFFICE IN NEW YORK, First Ave. address and / or phones as you USA office. Mail, phone calls received & forwarded. New York Mail Service, 210 Fifth Ave, NYC 10010.

DIAMONDS

DIAMONDS

Your best buy.

Fine diamonds in any price range of lowest wholesade prices direct from Antwerp carrier of the diamond world.

Full guarantee.

For free price for write Joochian Goldenstrain diamonds properly

diamanteraport
Established 1928
Pelikaanstraat 64, 8-2000 Artwe
Belgium • Tek (32 3) 234 07 51
to 71779 syl b. At the Diamond Cart of the Antwerp Diamond and

OFFICE SERVICES

BUSINESS BASE

IN ZURICH

International Business Message Center

than a third of a million readers worldwide, most of whom are in business and industry, will read it. Just telex us (Paris 613595) before 10 a.m., ensuring that we can telex you back, and your message will appear within 48 hours. The rate is U.S. \$8.60 or local equivalent per line. You must include complete and verifiable billing address.

TO RENT/SHARE REAT BRITAIN CENTRAL LONDOM - Executive service appriments in new buildings, comfortably furnished and fully equipped. Doily maid service (Man. through Fri.) Color TV. Phone for brochure (III) 388 1342 or write Presidential Estates (Mayfris) Lod., 1 University St., London WC1E GIE. St., Londont WC.IC GIE.

LONDON. If you are seeining a furnished home we have the finish selection, ranging from 190 - 2400 per week. Comate the specialists. Benham & Reeves Lettings. Tel: London 435 9681. The 218/79 BSNHAMS ADB.

MENSPAGION, 2-bed moistanette, garden, garage. Excellent location near shops, motorway, metro, termis courts. Newly furnished. London 381 4257 / 603 8075 / 948 0291. LONDON. For the best furnished flat and houses. Consult the Specialist Phillips, Kay and Lews. Tel: Lando 839 2245. Teles 27846 RESIDE G

SPAIN

REAL ESTATE

MONACO

Monte Carlo BIROPA RESIDENCE Speciacular fitted & decerated flot in leasurious central modern block, high floor, see view, 355 sq.m., burge with TV den & dirung room, fully eguipped ischen, gorages available. Rent & premium on request [93] 30 42 85.

OFFICE SERVICES

YOUR OFFICE

in PARIS

66 CHAMPS ELYSEES

SECRETARIAL SERVICE

MEETING HALLS

RURNISHED OFFICES COMPANY DOMICILIATIONS TELEX Tel: 562 66 (1) Teles: 649 157 F

YOUR OFFICE IN PARIS

LUXURY SERVICED OFFICES
TELEPHONE ANSWERING, TELEF FAX
SECRETARIAL AND ASSETANCE
IN COMPANY ESTABLISHMENT

ACTE S.A.

qualified as German bilingud secretory, 2th years or PA to president of major company abroad. Trained an word processor. Languages in problems, or processor. Languages in problems of the processor of the proces

IBOS 15 Ava Vicotr Hugo 75116 Paris Tel: 502 18 00. The 620893 F Accommodations address facilities with mailbox, phone and telex. Mail, messages, orders taken and forwarded. World Wide Business Centers

Tel Paris 37/03 64.

EXECUTIVE SECRETARY. Perfect French / English, seeks job offermoors or replacement. Let 65/95/13 Paris. GK INTERNATIONAL, this top secretarial & mich reconsignment recruitment agency. Paris 225/12 94.

DO YOU NEED A TOP SECRETARY? Call GR Interim, tel: 758/82/30 Paris.

INTERNATIONAL BUSINESSMAN seets for Puris, Boile area SECRETARY - SHORTHAND TYPIST for facily bilingual English-French House, - Spart of Indicates - Spart of Indicates - Availability to be free quickly - Seed CV and solary requirements to: Box 758, Herold Tribune, 92527 Neutly Gedes, France.

SECRETARY to international advantaing associative Forts 16 required. Engish mother tongue, working knowledge of Franch cont excellent shortkand
and typing essential together with the
ability to work under pressure on
ones own insistive. This is a varied
and interesting position most saised to
a self-starter who enjoys hard work.
Send CV out salary requirement to
Box 756, Herald Tribune, 92521
Neutly Cades, France.

REAL ESTATE REAL ESTATE TO RENT/SHARE TO RENT/SHARE PARIS AREA FURNISHED PARIS AREA UNFURNISHED INTERNATIONAL **NEUTLLY - near BOIS** High class, 170 sq.m., reception + 3 bedrooms, 3 balteriooms, fiewly redone. F14,000 + charges, 745 0356 551 66 99 51 La Bourdonnais, 75007 Paris Id CLASS APARTMENT 4 HOUSES NUMBER & UNFUE

74 CHAMPS-ELYSEES 8th In the heart of business district Studio, 2 or 3-rount operturent I month or more. Mangenance, telex, reception foolisi LE CLAREDGE TEL: 359 67 97.

MARCEAU atis, balcony, facing south. EMBASSY SERVICE: 563 68 38. 562 78 99

PLACE VENDOME UNIQUE APARTMENT 40 sc.m. neor Notre Dosse from Dec 1st to Feb 29th. Price US\$1800 includes 3 month gos & electricity. Tel: 326 75 85 be-tween 8 om 8.5 pm. rurious pied-o-terré, double living bedroom EMBASSY 563 68 38. PASSY. Very luminous studio, 45 sq.m. F3900, 6 months or more. 500 81 76. SHORT TERM in Latin Quarter, agents Tel: 329 38 83.

Place St Andre des Arts Historic 85 sq.m., renovated freestone vautised callings, equipped kitchen, morble bathroom, F7900. Tel: 281 14 10. 318 sq.re. flot, 8 rooms & moid's room. F18,509 net: Cobinet Postori, your American realtor; \$22.81 24. ARE YOU PLATIENED by Flor Hunting! We will give you a lift. Call naw, CSU 525-33-02 Paris. VIEW ON SEEN AST EXECUTIVE HOMESPADING IRS Intl Relocation, Paris & suburbs-villat/offices/rent/sole: (1) 551 09 45

> PAGES 23 & 20 FOR MORE CLASSIFIEDS

International Secretarial Positions

SECRETARIES AVAILABLE RANDSTAD Specialized in Fighty Qualified BILINGUAL AGENCY Fully Bingual FEL: 341 08 00 Personnel RANDSTAD

REAL ESTATE

TO RENT/SHARE

PARIS AREA FURNISHED

INT'S SERVICE IMMOBILIER

TELEX IENA FRANCE 620 615 A TEAM OF SPECIALISTS AT YOUR SERVICE

MERCURE 3 r. St Philippe du Roule Tels 256 29 %

EMBASSY SERVICE

8 Ave. de Messine, 75008 Poris Telex F641 786

Your Real Estate Agent

ELYSEE

IN PARIS

26 r, d'Athenes 9th Tel: 281 10 20

33 r Golder Idth

A / SECRETARY, 26, British, highly qualified as German bilingual secre-tory, 2½ years at PA to president of major company obraced. Trained as

Billingsial Secretary, experience English mother tongue, seeks posi Tel: Poris 327 03 64.

SECRETARIAL POSITIONS AVAILABLE

" SECRETARIAL POSITIONS AVAILABLE SECRETARIAL POSITIONS AVAILABLE MINERVE SER'S for AMERICAN FIRMS in PARIS.
English, Belgion, Dutch or German secretories, knowledge of Franch required, English shorthand. Mingout beleases. Write or phone: 138 Avenue Victor Hago, 75116 Paris, France. Tel. 727 61 69. Paris, Bourse area EXECUTIVE SECRETARY ESCENTIVE SECRETARY
10 years experience and serious reference required. Esgich mostler hopperformed, involvedge of German plus, excellent editional and secretaristills required. Hord working, well genized, refoliole personolity. Send of pictorion with ghoto and annual grastery expected for Boaz 753, Harald Tribuna 92521. Neurity Cadex, France

LOCKING FOR a well-paid highly qualified multilingual job in Porist Col PLIS INTERNATIONAL; the new spe-colized temporary agency in Poris." Call 522 01 79. NYTERNATIONAL ORGANIZATION seeking for its Poris Secretorial, Staff Pensions and Insurance Division, formally trained, experienced, discreet bilinguois secretary with excellent performance under pressure and exceptional ability with figures. Sind requirement for shorthand in English or least 90 ways. I with ability to take french arthronic and typing in English and French or least 50 ways. (condictes secrets will be bested) Apoly in writing to UNESCO, Buredou of Personnel, 1 rue Micelia, 79015 Poris, quaring reference, BOC-081. If you are ENGLISH MOTHER-TONGLE We need you, so call us an 722 98 39 and come to see us 149 Ave du Gal de Gaulle 92200 Neully, France

Junior Level French/English Bilingual Secretaries

The World Bank has vacancies for Junior Level French/English bilingual Secretaries at its headquarters in Washington, D.C., U.S.A.

MINIMUM REQUIREMENTS: Three years' relevant experience; Typing skill of 50 wpm in both languages shorthand skill of 80 wpm desirable

Fluency in English and French essential. Salaries are determined by length of experience Benefits include 26 days vacation and home leave travel every two years. In addition, medical and life-insurance is available on a cost-sharing basis; staff must contribute to the pension plan.

Qualified candidates will be tested and interviewed Please send a **detailed resume, in English**, by closing date November 14, 1983, quoting Reference 4-5-FRA0201

Relocation to Washington paid on appointment.



The world Bank Recruitment Unit 66, av. d'Iena

Karatan Park Straigh MONNEL PLAIN MI The last the cases de des la case de la companya del companya del companya de la comp dand to the ships danc' to B. S. S. Stille & giant, pieters, my part i had and the bank their

Entrare and the tra the Killson Alread a the discer of the Cashe the the landage between there accommended by in the hours to come we v to three or say be Mind the part of the land s mountains as had on the previous six de d forward to exact Book

The not to be What foll the loanest triangle in with andreds Are F New York Tienes Strate DELHI - Several hilled in Soviet and Af

a on a small town north a Western diplomatic has the Alghan capital

HARRE

LW. HARPER 12 YEAR OLD. THE TRADITION CONTINUES.

OPPORTUNITIES DUNIN & HARGITT Experts in Internationa Portfolio Management FIRST WE SET THE STANDARD. THEN WE SURPASSED IT. Investment Opportunities COMMODITIES, CURRENCES & GOLD

Proven in provided and provided.

Clients accounts audited.

All assets deposited with major international investment banks.

Over 20 years experience. **ACT NOW** Write for free brochure to:

en track record of high capit

BUSINESS

Dunn & Horgits Research S.A. Dept. A343 Ave Lloyd George 6, Be 5 1050 Brussels, Belgium. Tel: [02] 660 32 80 Teless 64978 DUNN-B Restricted in Belgium THIS WEEK

Oct. 31st, in **BUSINESS WEEK** INTERNATIONAL

NOW ON SALE AT ALL

INTERNATIONAL

NEWSSTANDS

BUSINESS **OPPORTUNITIES** HORIZONS 2000

is seeking BROKERS to offer a unique investment apportunity in proven agriculture with exceptional growth over the medium and long term. Projections forsee an income progressing yearly and eventually exceeding 50% per cansum. It construes for decodes first investment phase decodes for the participant of the phase decodes for the phase deco 500. Material available ist, French, German, or An Write: GLOBE PLAN SA, 24 Ave Mon Repos, 1005 Lousyme, Switzerland. Tek (21) 22 35 12. Teles: 25185.

COMPUTER PORTRAITS NOW IN FULL COLOR, printed on 1-shirs, on all-cosh business that con earn you \$8000 - \$10,000 per month. New and used systems, price from \$10,000 -\$35,000. Kerng GrabH, Abt. O25, P. Schliessfoch 17-0822, 6000 Fronkfurt, West Germany, Tel: 0611 - 747808. The: 412713 KEMA

A UNIQUE BATHROOM FIXTURE—British monificaturer looking for exclusive distributors in each of the following countries: Holland, Germany and Greece, Please respond in English to: Box 16020, Herald Tribune, 92521 Neully Cadex, France.
BUYERS TAIWAN EXPORT products "Guoranteed" Best prices, quality, control & delivery dates! Please Island 2099 I Impark or Kai Chio International Limited, 6th Floor, 52 Nanlang East Road, Sec. 1, Taipei ROC.
AIDDILE EAST, USA, EUROPE & Jopan Trade Guides: Free, ROB 502, Singapore 9144. Th: RS39194AB

BUSINESS AND OFFICE CENTER, Duesseldorf, BMS-Adjerstr. 9. The: 8582244. Tel: (9 211-353-07

RALLY INTEGRATED TALLOR-CUT OFFICE SERVICES CLOSE TO FINANCIAL CENTER 3 FLOORS BUSINESS SERVICES BUSINESSMEN / LAWYERS, Agency terninor, 30 Jan 4 Feb 1984, Soldburg and Woisting (Tirol), Box 19, A-5333 Soldburg, Austria, Teles: 631064 INLAW.

Imprimé par Offprint, 73 rue de l'Évangile, 75018 Paris

- Furnished, modern executive offices for temporary or permonent us.
- Prestige majors and domaciarism oddress. 200 prime lines.
- Telephone, selen, message-service.
- Your line answered with your name.
- Multilangual secretarism / translators.
- Wang word-processing.
- Assistance in company formation. urnished, modern executive office 17 RUE DE LA BALIME, PARIS 811+ Tel: 359 77 SS, Telex 642 187 F YOUR OFFICE BRUSSELS Assistance in company formation.
INTERNATIONAL OFFICE
32 Removes, CH-8001 Zurich
Tel: 01 / 214 61 11, Tis; 81 2656 INOF

DYNAMIC COMMUNICATIONS Ave. do to Torche 2, 8-1160 Brussels Tel: 660.24.80. The: 25387 croved b. LONDON BUSINESS ADDRESS/ PHONE/TELEX Execution, Suite 66, 87 Regart St., WI. Tel.: 437 7774. BAFEIUS + ZURICH + 252 76 21. PHONE / TELEX / MALBOX.

JPEL WICA

75116 Paris, France

diplomat in New! ang the conbass, report. iow estimate of civilian c